

NEWFIELD



October 8, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill:  
Jonah Federal 9-15-9-16  
Jonah Federal 11-14-9-16  
Jonah Federal 12-14-9-16

Dear Diana:

Enclosed find APD's on the above referenced wells. The 9-14-9-16 is an Exception Location. I have contacted our Land Department in the Denver office and they will be providing you with the appropriate Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Lana Nebeker  
Production Clerk

enclosures

RECEIVED

OCT 12 2004

DIV. OF OIL, GAS & MINING

001

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

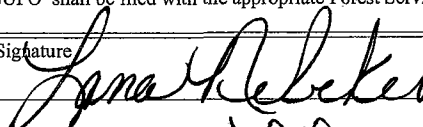
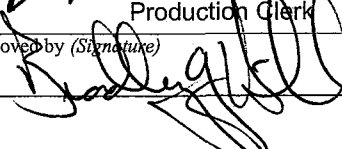
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 20045. Lease Serial No.  
UTU-096547  
6. If Indian, Allottee or Tribe Name  
N/A7. If Unit or CA Agreement, Name and No.  
JONAH8. Lease Name and Well No.  
Jonah Federal 11-14-9-169. API Well No.  
43-013-3268110. Field and Pool, or Exploratory  
Monument Butte 10511. Sec., T., R., M., or Blk. and Survey or Area  
NE/SW Sec. 14, T9S R16E12. County or Parish  
Duchesne  
13. State  
UT1a. Type of Work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone2. Name of Operator  
Newfield Production Company3a. Address  
Route #3 Box 3630, Myton UT 840523b. Phone No. (include area code)  
(435) 646-37214. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/SW 2030' FSL 2160' FWL 577847X 40.029183  
At proposed prod. zone 4431185Y -110.08765614. Distance in miles and direction from nearest town or post office\*  
Approximately 20.6 miles south of Myton, Utah15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 2030' f/lse, 2030' f/unit16. No. of Acres in lease  
600.0017. Spacing Unit dedicated to this well  
40 Acres18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1,585'19. Proposed Depth  
6000'20. BLM/BIA Bond No. on file  
UTU005621. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5620.7' GL22. Approximate date work will start\*  
1st Quarter 200523. Estimated duration  
Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature  
Name (Printed/Typed)  
Lana NebekerDate  
10-8-04Title  
Production ClerkApproved by (Signature)  
Name (Printed/Typed)  
BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST IIIDate  
10-18-04Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

OCT 12 2004

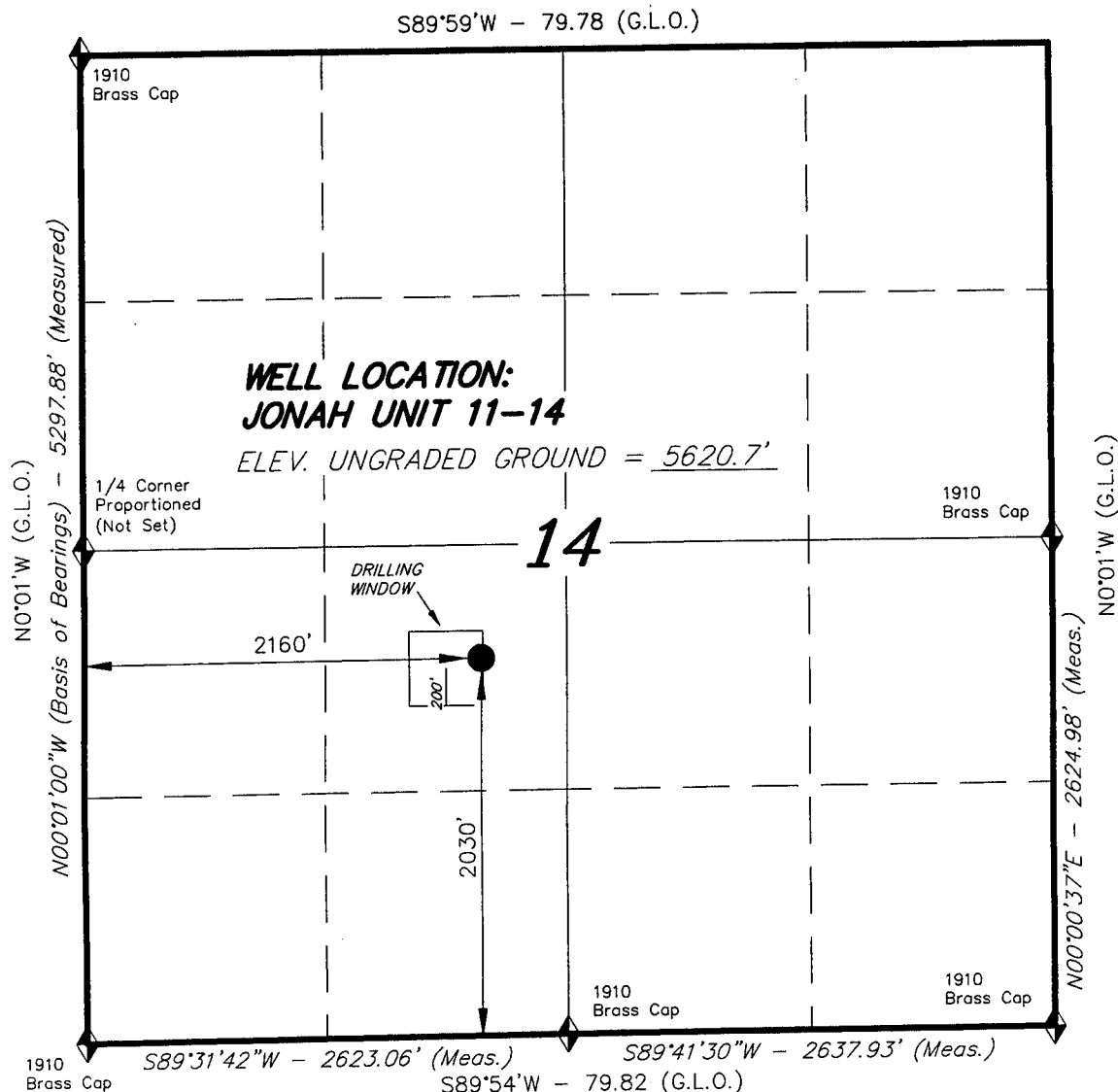
DIV. OF OIL, GAS &amp; MINING

Federal Approval of this  
Action is Necessary

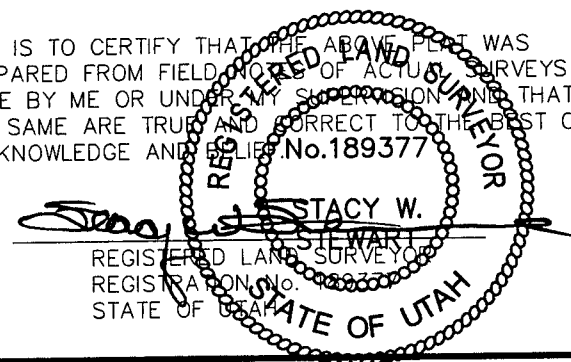
**T9S, R16E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT 11-14,  
LOCATED AS SHOWN IN THE NE 1/4 SW  
1/4 OF SECTION 14, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 7-6-04

DRAFTED BY: F.T.M.

NOTES:

FILE #

NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL 11-14-9-16  
NE/SW SECTION 14, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	2130'
Wasatch	6000'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2130' – 6000' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY  
JONAH FEDERAL #11-14-9-16  
NE/SW SECTION 14, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal #11-14-9-16 located in the NE 1/4 SW 1/4 Section 14, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 - 10.9 miles  $\pm$  to it's junction with an existing dirt road to the northeast; proceed northeasterly - 8.1 miles  $\pm$  to it's junction with an existing road to the northerst; proceed westerly - 1.1 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed southernly along the proposed access road - 1,620'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-44, 05/0503. Paleontological Resource Survey prepared by, Wade E. Miller, 1/8/04. See attached report cover pages, Exhibit "D".

For the Jonah Federal #11-14-9-16 Newfield Production Company requests 1620' of disturbed area be granted in Lease UTU-096547 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 1620' of disturbed area be granted in Lease UTU-096547 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 3" gas gathering line, and a 2" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 3270' of disturbed area be granted in Lease UTU-0796547 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

Inactive Eagle Nest: Will require a survey if drilled after March 2005

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

#### Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Black Sage	<i>Artemisia Nova</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	5 lbs/acre
Green Molly Cyprus	<i>Kochia American</i>	3 lbs/acre
Crested Wheat Grass		3 lbs/acre

#### Details of the On-Site Inspection

The proposed Jonah Federal #11-17-9-16 was on-sited on 3/25/04. The following were present; Brad Mecham (Newfield Production), David Gerbig (Newfield Production), Dave Loken (Newfield Production,) Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear.

#### 13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

##### Representative


Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

##### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #11-14-9-16 NE/SW Section 14, Township 9S, Range 16E: Lease UTU-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

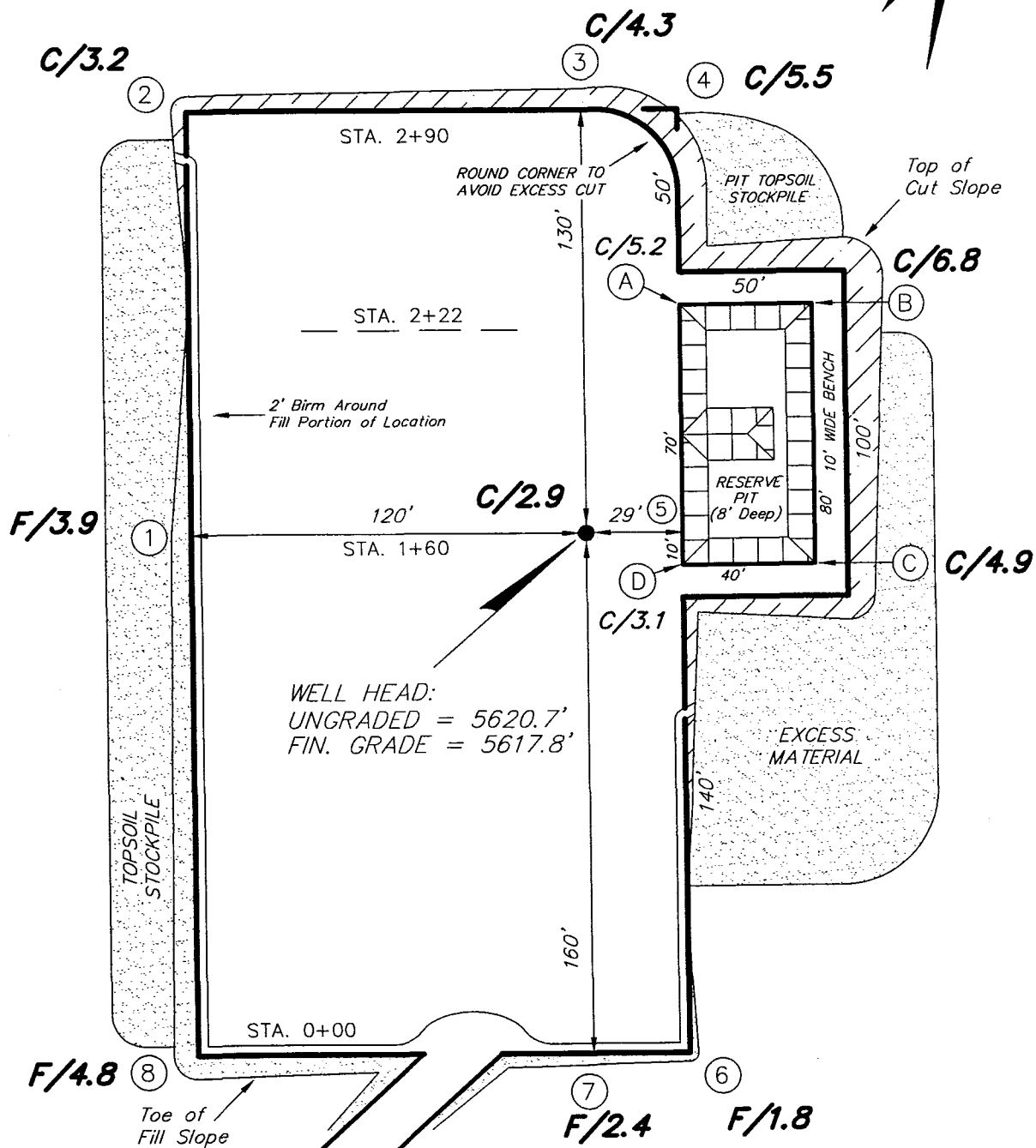
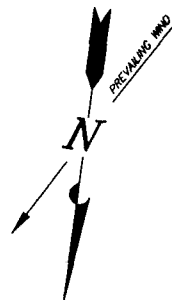
10-8-04  
Date

  
Lana Nebeker  
Production Clerk

# INLAND PRODUCTION COMPANY

JONAH UNIT 11-14

Section 14, T9S, R16E, S.L.B.&M.



## REFERENCE POINTS

170' EAST = 5613.4'

220' EAST = 5614.6'

210' NORTH = 5620.1'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

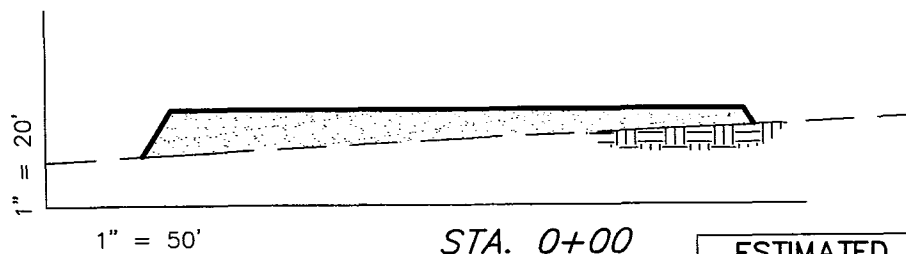
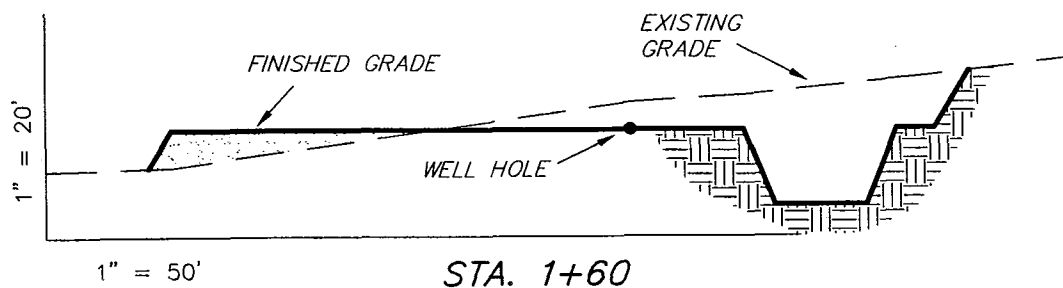
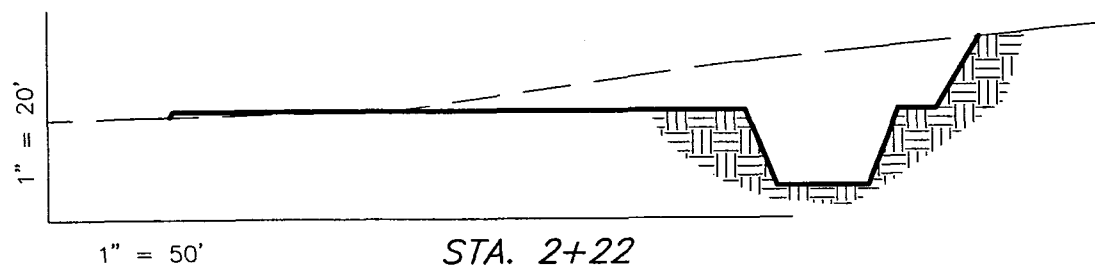
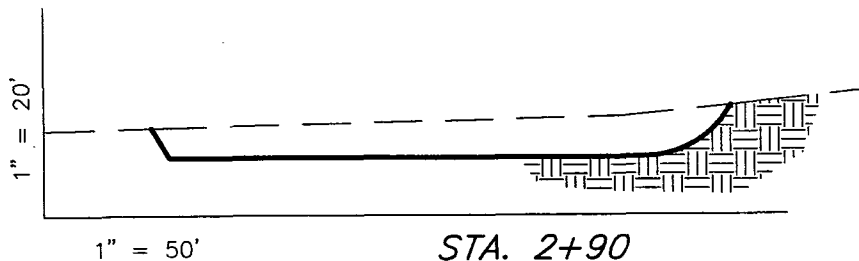
DATE: 7-6-04

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

**INLAND PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**JONAH UNIT 11-14**



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,480	2,480	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,120	2,480	890	640

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

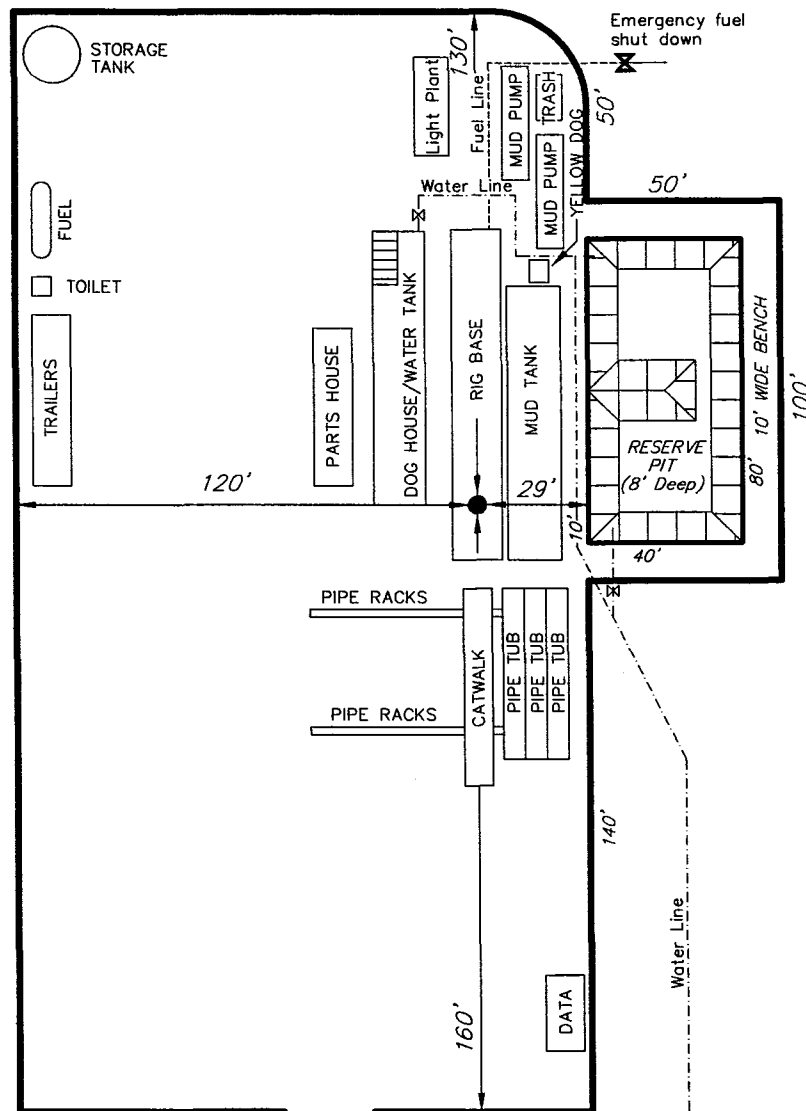
DATE: 7-6-04

**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### JONAH UNIT 11-14



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

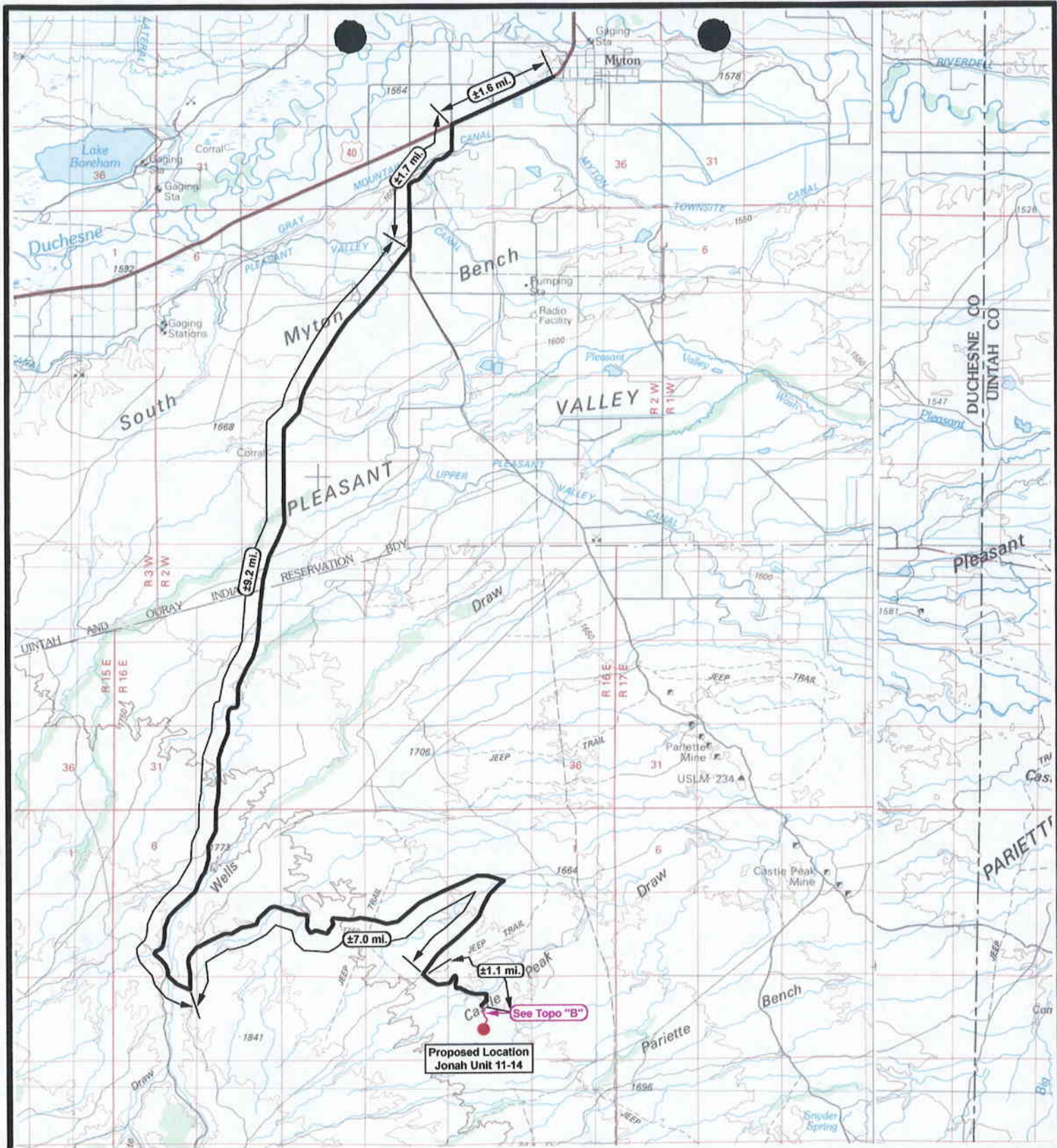
DRAWN BY: F.T.M.

DATE: 7-6-04

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**Jonah Unit 11-14**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



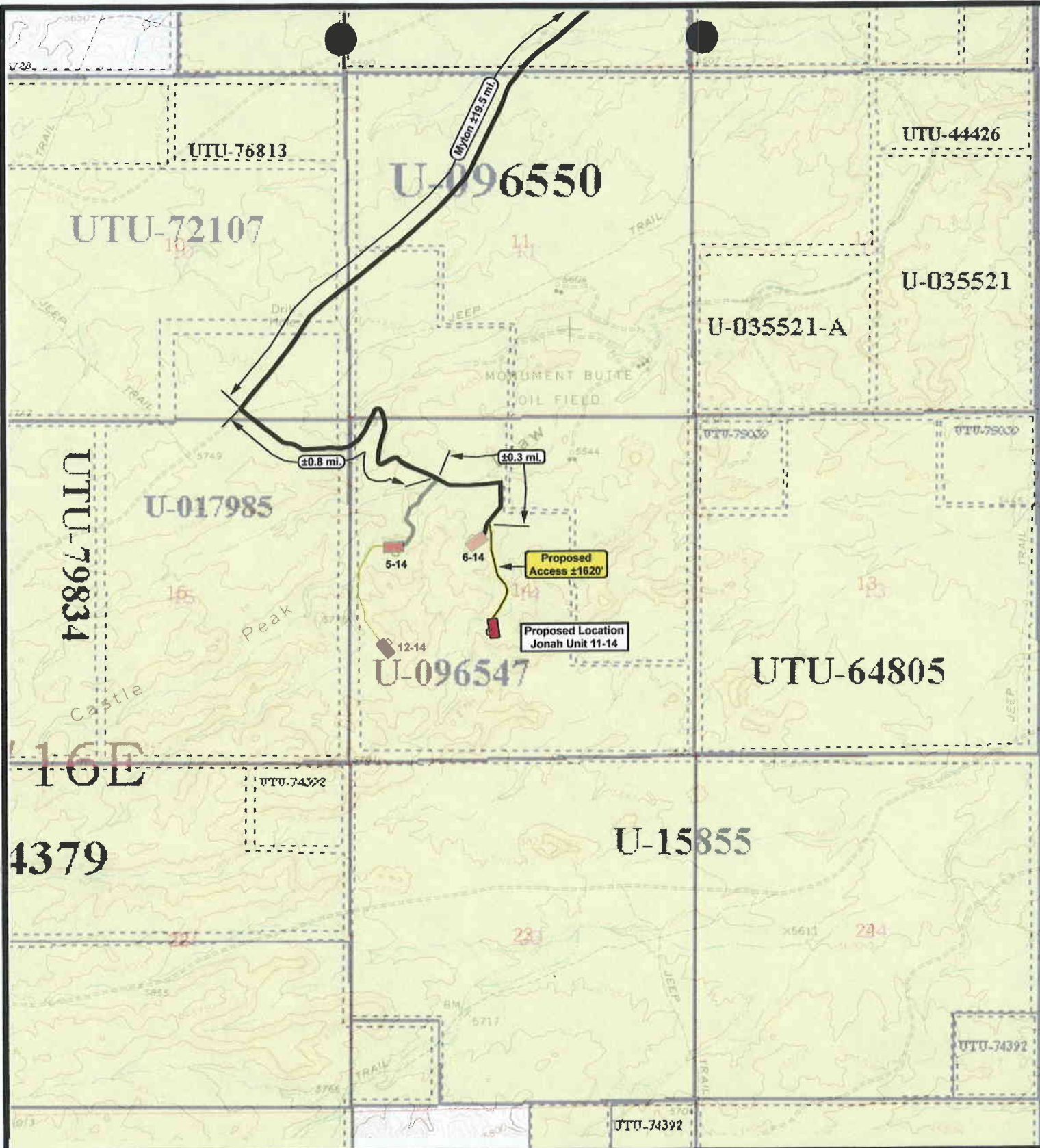
**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'  
 DRAWN BY: bgm  
 DATE: 07-08-2004

**Legend**  
 — Existing Road  
 — Proposed Access

TOPOGRAPHIC MAP

**"A"**



**Jonah Unit 11-14**  
**SEC 14, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: bgm

DATE: 07-07-2004

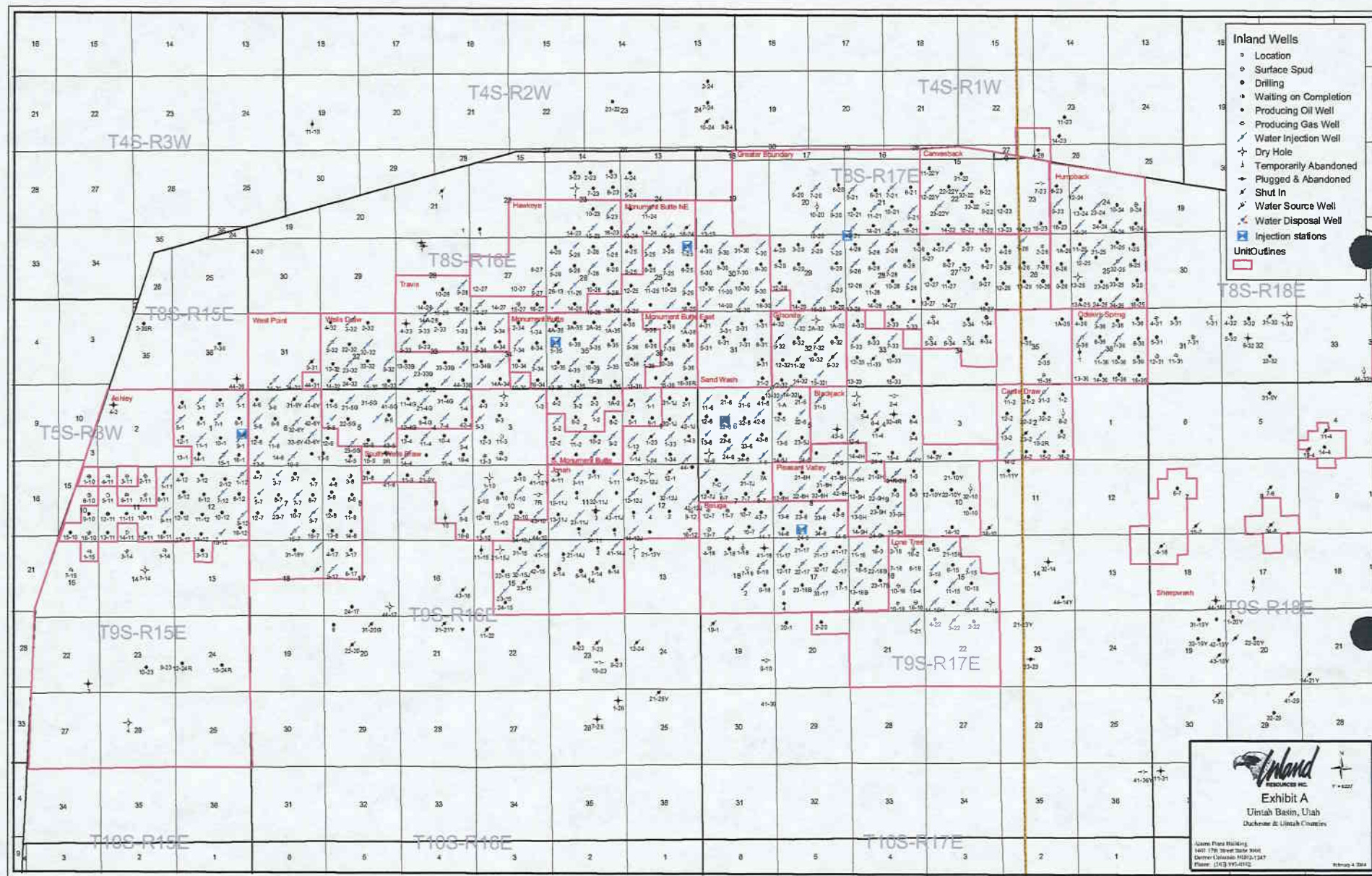
**Legend**

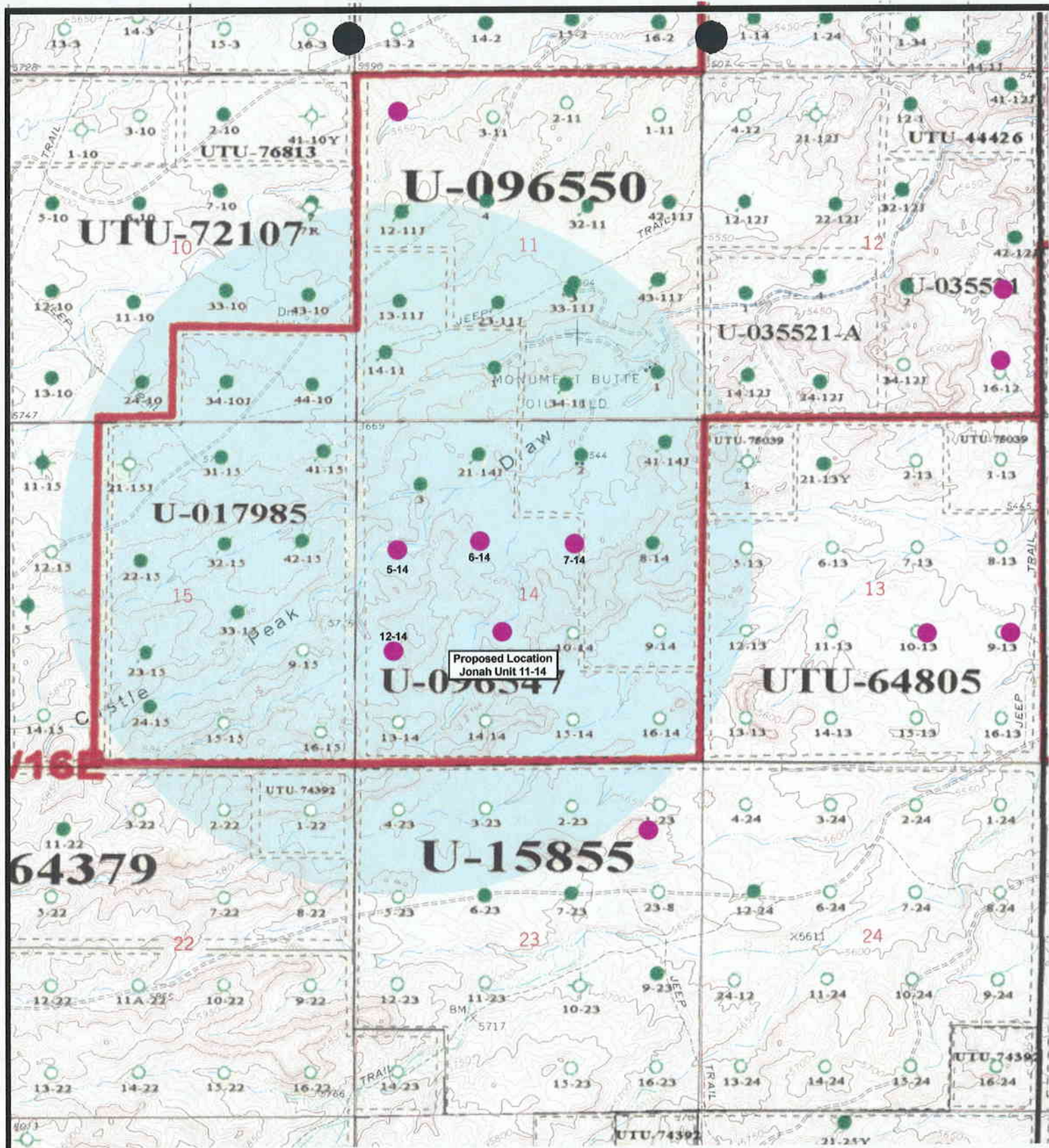
— Existing Road  
 — Proposed Access

TOPOGRAPHIC MAP

**"B"**







**Jonah Unit 11-14**  
**SEC. 14, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
 DRAWN BY: bgm  
 DATE: 07-07-2004

**Legend**

- Well Locations
- One Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

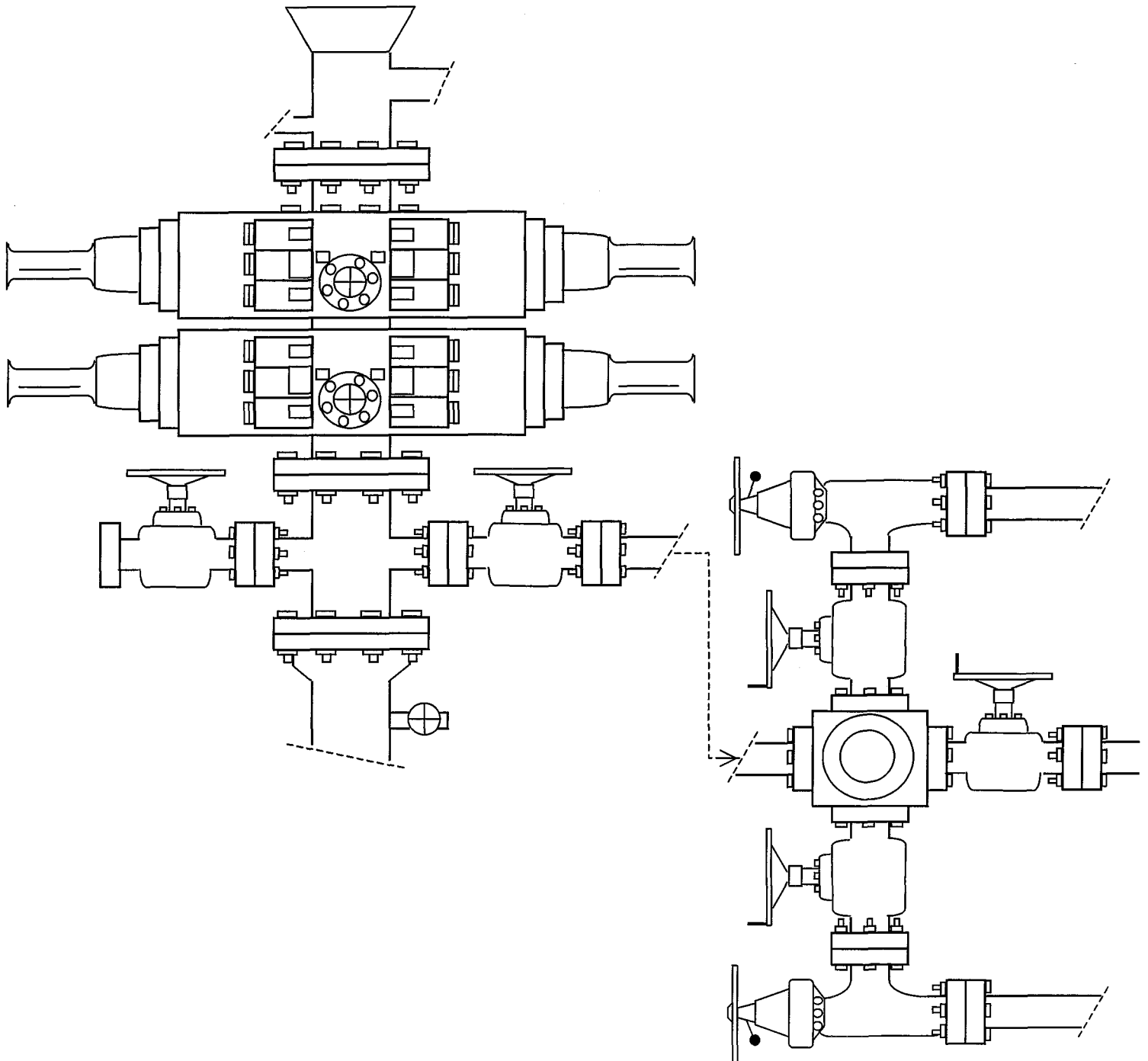


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND  
RESOURCES' BLOCK PARCELS (T9S, R16E, SEC. 13 & 14)  
NEAR CASTLE PEAK DRAW, DUCHESNE COUNTY, UTAH.

by

Katie Simon  
and  
Keith Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

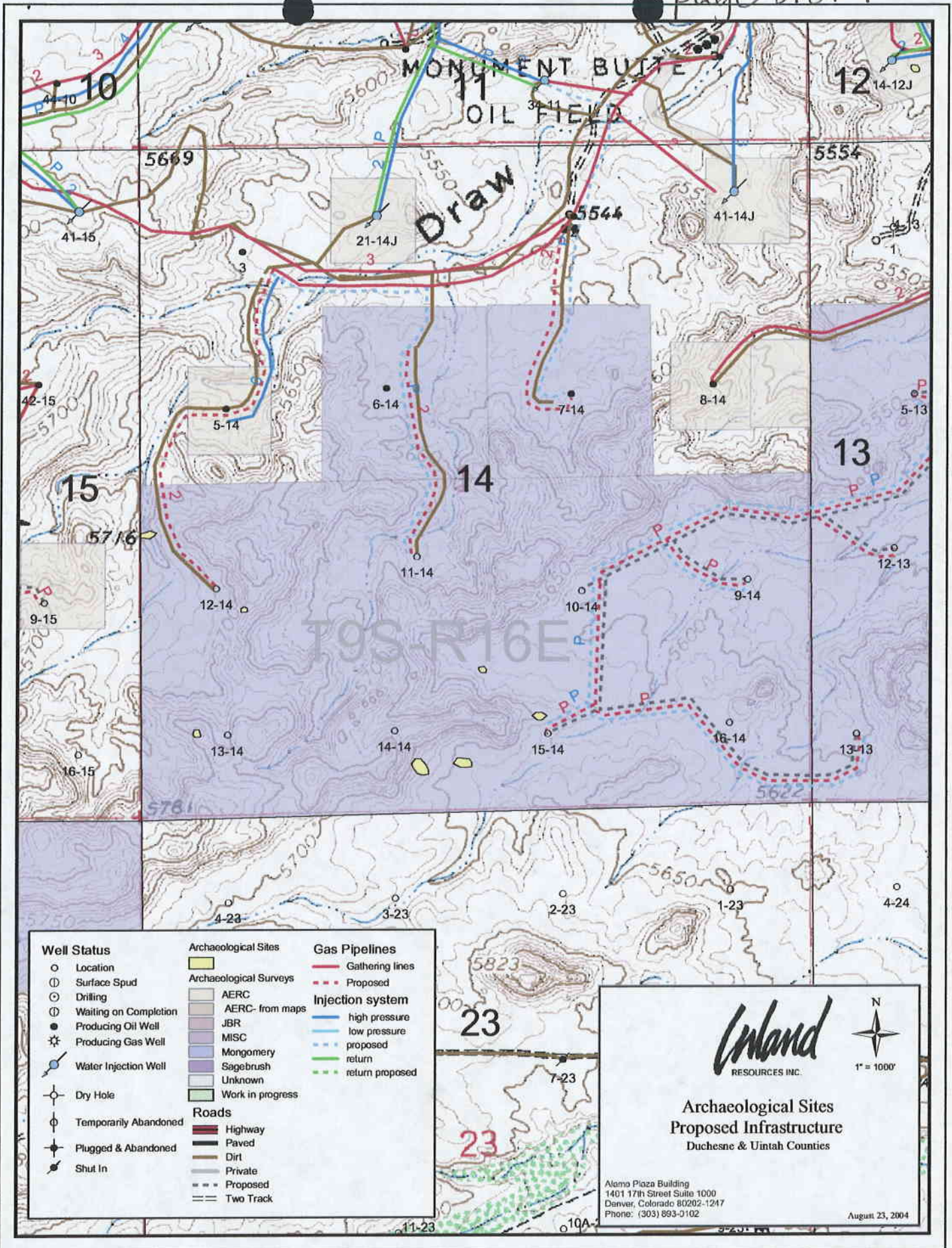
Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-44

May 5, 2003

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0328b



**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

(NE 1/4, SE 1/4, Sec. 10, T 9 S, R 17 E; SE 1/4, NW 1/4 &  
SW 1/4, NE 1/4, Sec. 29, T 8 S, R 17 E; South 1/2 Sec. 14  
T 9 S, R 16 E; and NW 1/4, Sec. 13, T 9 S, R 16 E)

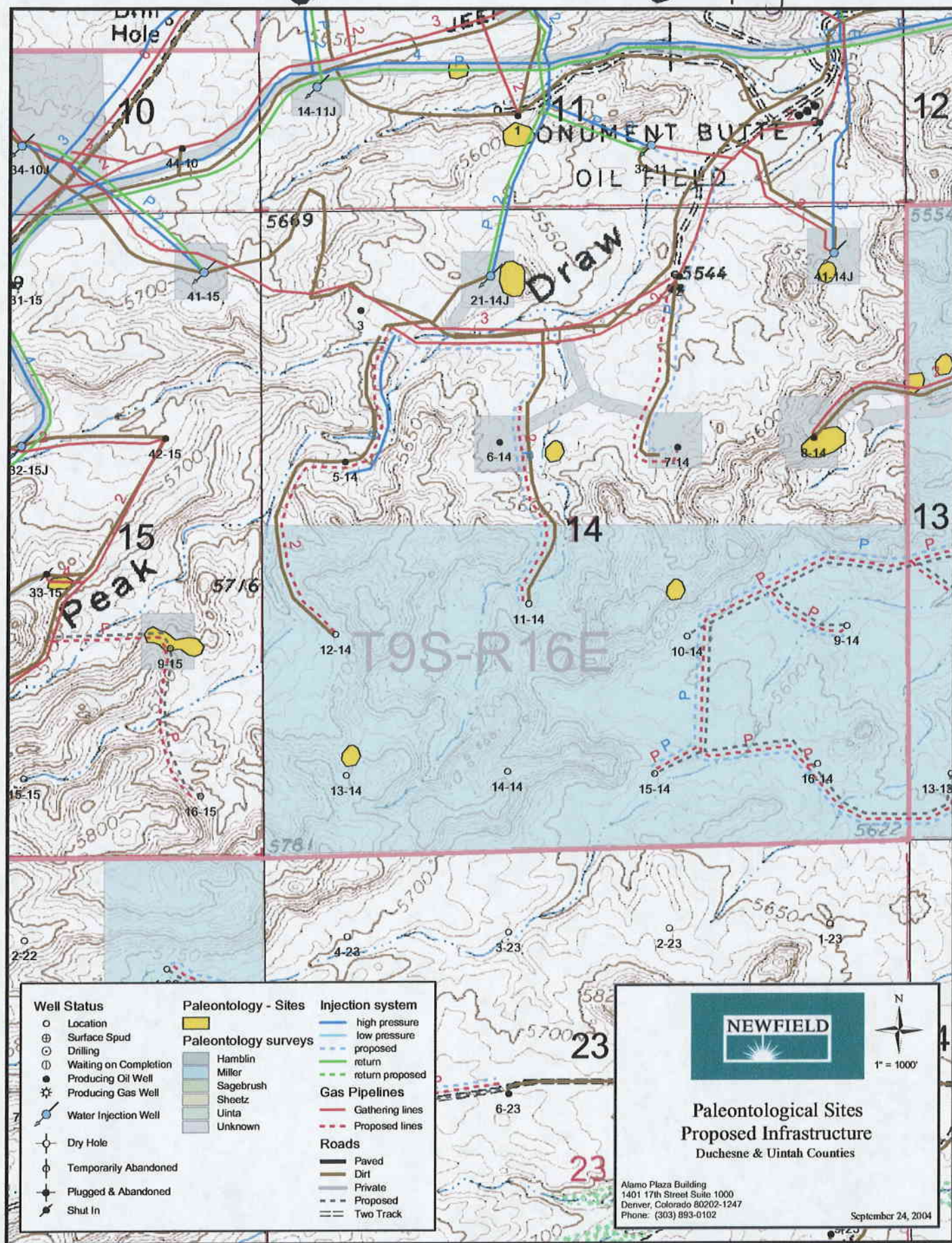
**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
January 8, 2004



004

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/12/2004

API NO. ASSIGNED: 43-013-32681

WELL NAME: JONAH FED 11-14-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: LANA NEBEKER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

NESW 14 090S 160E

SURFACE: 2030 FSL 2160 FWL

BOTTOM: 2030 FSL 2160 FWL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-096547

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.02918

LONGITUDE: -110.0877

## RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit  
(No. MUNICIPAL )
- ☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- ☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

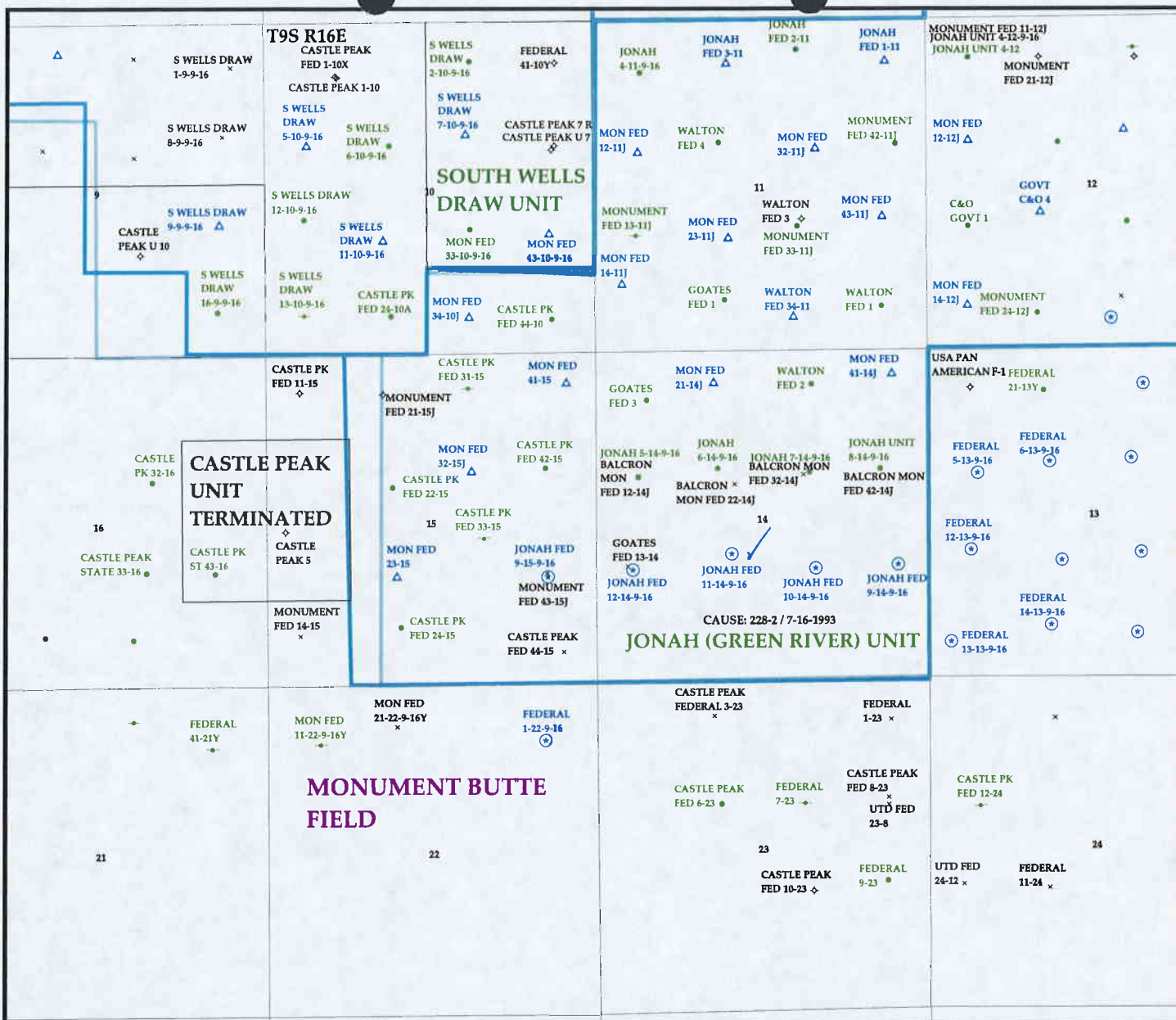
     R649-2-3.Unit JONAH (GREEN RIVER)     R649-3-2. GeneralSiting: 460' From Qtr/Qtr & 920' Between Wells     R649-3-3. Exception☒ Drilling UnitBoard Cause No: 228-2Eff Date: 7-16-1993Siting: 460' fr U bdy & 920' fr Other wells.     R649-3-11. Directional Drill

## COMMENTS:

Sep, Separate file

## STIPULATIONS:

1- Federal approved



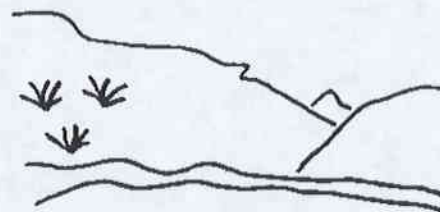
OPERATOR: NEWFIELD PROD CO (N2695)

SEC. 14 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-2 / 7-16-1993



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 14-OCTOBER-2004

## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

## IN REPLY REFER TO:

3160

(UT-922)

October 14, 2004

## Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2004 Plan of Development Jonah Unit, Duchesne  
County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Jonah Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Green River)

43-013-32681	Jonah Federal	11-14-9-16 Sec 14 T09S R16E 2030 FSL 2160 FWL
43-013-32682	Jonah Federal	12-14-9-16 Sec 14 T09S R16E 1816 FSL 0575 FWL
43-013-32683	Jonah Federal	9-15-9-16 Sec 15 T09S R16E 1724 FSL 0782 FEL

This office has no objection to permitting the wells at this time.

---

/s/ Michael L. Coulthard

bcc: File - Jonah Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:10-14-04



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

October 18, 2004

Newfield Production  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Jonah Federal 11-14-9-16 Well, 2030' FSL, 2160' FWL, NE SW, Sec. 14,  
T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32681.

Sincerely,

A handwritten signature in dark ink, appearing to read "John R. Baza".  
John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production  
Well Name & Number Jonah Federal 11-14-9-16  
API Number: 43-013-32681  
Lease: UTU-096547

Location: NE SW                      Sec. 14                      T. 9 South                      R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

006

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-096547

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

JONAH

8. Lease Name and Well No.

Jonah Federal 11-14-9-16

9. Well No.

43-013-32681

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

NE/SW Sec. 14, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SW 2030' FSL 2160' FWL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

Approximatley 20.6 miles south of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 2030' f/lse, 2030' f/unit

16. No. of Acres in lease

600.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1,585'

19. Proposed Depth

6000'

20. BLM/BIA Bond No. on file

UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5620.7' GL

22. Approximate date work will start\*

1st Quarter 2005

23. Estimated duration

Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Lana Nebeker

Date

10-8-04

Title

Production Clerk

Approved by (Signature)

Name (Printed/Typed)

Date

03/25/2005

Title

Assistant Field Manager

Office

Mineral Resources

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

APR 05 2005 NOTICE OF APPROVAL

DIV. OF OIL, GAS &amp; MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company.

Well Name & Number: Jonah Federal 11-14-9-16

API Number: 43-013-32681

Lease Number: U-096547

Location: NESW Sec. 14 T. 9S R. 16E

Agreement: Jonah (GR) SR

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Please submit to this office, in LAS format, an electronic copy of all logs run on this well. This submission will replace the requirement for submittal of paper logs to the BLM.**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

No construction or drilling shall be allowed during the raptor nesting season of April 1 to July 15 without first consulting with the BLM wildlife biologist.

To reduce noise in the area, a hospital-type muffler or other similar device shall be installed on the pumping unit.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: JONAH FED 11-14-9-16

Api No: 43-013-32681 Lease Type: FEDERAL

Section 14 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 05/25/05

Time 7:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by FLOYD MITCHELL

Telephone # 1-435-823-3610

Date 05/25/2005 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3650**  
**MYTON, UT 84062**

OPERATOR ACCT. NO. **N2696**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	14733	43-013-32580	Ashley State 2-2-9-15	NWNE	2	9S	15E	Duchesne	5/25/2005	5/31/05
WELL 1 COMMENTS: <i>GRW</i>											
B	99999	11492	43-013-32681	Jonah Federal 11-14-9-16	NE/SW	14	9S	16E	Duchesne	5/25/2005	5/31/05
WELL 2 COMMENTS: <i>GRW</i>											
A	99999	14734	43-047-35709	Federal 11-14-9-17	NE/SW	14	9S	17E	Duchesne	5/26/2005	5/31/05
WELL 3 COMMENTS: <i>GRW</i>											
A	99999	14735	43-047-35710	Federal 15-14-9-17	SWSE	14	9S	17E	Duchesne	5/27/2005	5/31/05
WELL 4 COMMENTS: <i>GRW</i>											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

MAY 2 / 2005

STATE OF UTAH, OIL, GAS & MINING

*Kebbie S. Jones*  
Signature  
Kebbie S. Jones  
Production Clerk  
May 27, 2005  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**COPY**FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

## 1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

## 2. Name of Operator

Newfield Production Company

## 3a. Address Route 3 Box 3630

Myton, UT 84052

## 3b. Phone No. (include area code)

435.646.3721

## 4. Location of Well (Footage, Sec., T., R., M.; or Survey Description)

2030 FSL 2160 FWL

NE/SW Section 14 T9S R16E

## 5. Lease Serial No.

UTU096547

## 6. If Indian, Allottee or Tribe Name.

## 7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

## 8. Well Name and No.

JONAH FEDERAL 11-14-9-16

## 9. API Well No.

4301332681

10. Field and Pool, or Exploratory Area  
Monument Butte

## 11. County or Parish, State

Duchesne, UT

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5-25-05 MIRU NDSI spud rig #1. Drill 310' of 12 1/4" hole with air mist. TIH W/7 Jt's 8 5/8" J-55 24# csgn. Set @ 314.17'KB. On 5-25-05 Cement with 160 sks of Class "G" w/ 2% CaCL+ 1/4# Cello Flake. Mixed @ 15.8 ppg> 1.17 cf/sk yeild. Returned 5 bbls cement to pit.

RECEIVED

JUN 02 2005

DIV. OF OIL, GAS &amp; MINING

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Ray Herrera

Title

Drilling Foreman

Signature

Ray Herrera

Date

05/27/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

5/8

CASING SET AT

314.17

LAST CASING 8 5/8" SET AT 314.31'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING  
 DATUM TO BRADENHEAD FLANGE  
 TD DRILLER 310' LOGGER  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Jonah Federal 11-14-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS # 1

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 43.48					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	302.32
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	304.17
TOTAL LENGTH OF STRING	304.17	7	LESS CUT OFF PIECE	2
LESS NON CSG. ITEMS	1.85		PLUS DATUM TO T/CUT OFF CSG	12
PLUS FULL JTS. LEFT OUT	0		CASING SET DEPTH	314.17

TOTAL	302.32	7	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	302.46	7		
TIMING	1ST STAGE			
BEGIN RUN CSG.	Spud 5/25/2005	7:00 AM	GOOD CIRC THRU JOB	yes
CSG. IN HOLE	5/25/2005	3:00 PM	Bbls CMT CIRC TO SURFACE	5 bbls
BEGIN CIRC	5/25/2005	4:40 PM	RECIPROCATED PIPE FOR	N/A
BEGIN PUMP CMT	5/25/2005	4:52 PM		
BEGIN DSPL. CMT	5/25/2005	5:05 PM	BUMPED PLUG TO	125 PSI
PLUG DOWN	5/25/2005	5:15 PM		

CEMENT USED	CEMENT COMPANY- B. J.
STAGE # SX	CEMENT TYPE & ADDITIVES
1 160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	

COMPANY REPRESENTATIVE Ray Herrera

DATE May 25.2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**COPY**

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
 Newfield Production Company

3a. Address Route 3 Box 3630  
 Myton, UT 84052

3b. Phone No. (include area code)  
 435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 2030 FSL 2160 FWL  
 NE/SW Section 14 T9S R16E

5. Lease Serial No.  
 UTU096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.  
 JONAH UNIT

8. Well Name and No.  
 JONAH FEDERAL 11-14-9-16

9. API Well No.  
 4301332681

10. Field and Pool, or Exploratory Area  
 Monument Butte

11. County or Parish, State  
 Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/26/05 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 267'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5850. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 137 jt's of 5.5 J-55, 15.5# csgn. Set @ 5833' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 400 sks cement mixed @ 14.4 ppg & 1.24 yld. With 28 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 84,000 #'s tension. Release rig 11:00 PM on 5/31/05.

RECEIVED

JUN 03 2005

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Alvin Nielsen	Title Drilling Foreman
Signature <i>Alvin Nielsen</i>	Date 06/01/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title Office	Date
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------	------

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5833.87

LAST CASING 8 5/8" SET AT 314.31'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING 12'  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 5850' LOGGER 5831  
 HOLE SIZE 7 7/8"

Flt cllr @ \_\_\_\_\_  
 OPERATOR Newfield Production Company  
 WELL Jonah 11-14-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI rig #2

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt					14	
		short jt ' (5.85') @ 3896.67'						
137	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5777.83	
		Float collar					0.6	
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.79	
		GUIDE shoe			8rd	A	0.65	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				5835.87
TOTAL LENGTH OF STRING		5835.87	138	LESS CUT OFF PIECE				14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		294.6	7	CASING SET DEPTH				5833.87
TOTAL		6115.22	145	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		6115.22	145					
TIMING		1ST STAGE	2nd STAGE					
BEGIN RUN CSG.		5/31/2005	12:30 PM	GOOD CIRC THRU JOB				YES
CSG. IN HOLE		5/31/2005	3:30 PM	Bbls CMT CIRC TO SURFACE				28
BEGIN CIRC		5/31/2005	3:30 PM	RECIPROCATED PIPE FOR				THRUSTROKE NO
BEGIN PUMP CMT		5/31/2005	4:22 PM	DID BACK PRES. VALVE HOLD ?				YES
BEGIN DSPL. CMT		5/31/2005	5:39 PM	BUMPED PLUG TO				1811 PSI
PLUG DOWN		5/31/2005	6:07 PM					
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake						
		mixed @ 11.0 ppg W / 3.43 cf/sk yield						
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.								

COMPANY REPRESENTATIVE Alvin Nielsen DATE 5/31/2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2030 FSL 2160 FWL  
NE/SW Section 14 T9S R16E

5. Lease Serial No.

UTU096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 11-14-9-16

9. API Well No.

4301332681

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

06/27/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**JUN 29 2005**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2030 FSL 2160 FWL

NE/SW Section 14 T9S R16E

5. Lease Serial No.

UTU096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 11-14-9-16

9. API Well No.

4301332681

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Inland operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

COPY SENT TO OPERATOR

Date: 6-30-05  
Initials: CPO

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 6/29/05  
By: [Signature]

Federal Approval Of This  
Action Is Necessary

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

06/27/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

JUN 29 2005

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL  
WELLGAS  
WELL

DRY



Other

## 1b. TYPE OF WELL

NEW  
WELLWORK  
OVER

DEEPEN

PLUG  
BACKDIFF  
RESVR.

Other

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

2030' FSL &amp; 2160' FWL (NE/SW) Sec. 14, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO.

43-013-32681

DATE ISSUED

10/18/04

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

## 15. DATE SPUDDED

5/25/05

## 16. DATE T.D. REACHED

5/31/05

## 17. DATE COMPL. (Ready to prod.)

6/24/05

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5621' GL

## 19. ELEV. CASINGHEAD

5633' KB

## 20. TOTAL DEPTH, MD &amp; TVD

5850'

## 21. PLUG BACK T.D., MD &amp; TVD

5790'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

-----&gt;

## ROTARY TOOLS

X

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4675'-5572'

25. WAS DIRECTIONAL  
SURVEY MADE

No

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

## 27. WAS WELL CORED

No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	314'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5834'	7-7/8"	300 sx Premlite II and 400 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5672'	TA @ 5543'

## 30. TUBING RECORD

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP3) 5557'-5572'	.41"	4/60	5557'-5572'	Frac w/ 55,674# 20/40 sand in 483 bbls fluid
(A3) 4982'-5007'	.41"	4/100	4982'-5007'	Frac w/ 95,489# 20/40 sand in 692 bbls fluid
(C&B1) 4675'-4685', 4749'-4754'	.41"	4/60	4675'-4754'	Frac w/ 62,157# 20/40 sand in 479 bbls fluid

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

## 33.\*

## PRODUCTION

DATE FIRST PRODUCTION 6/24/05		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 10' x 14' RHAC Pump				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL.S. 115	GAS--MCF. 15	WATER--BBL. 114	GAS-OIL RATIO 130
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.) RECEIVED	

RECEIVED

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

## TEST WITNESSED BY

JUL 26 2005

## 35. LIST OF ATTACHMENTS

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Mandie Crozier

TITLE

Regulatory Specialist

DATE

7/25/2005

MC

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Jonah Federal 11-14-9-16	Garden Gulch Mkr	3499'	
				Garden Gulch 1	3703'	
				Garden Gulch 2	3812'	
				Point 3 Mkr	4082'	
				X Mkr	4326'	
				Y-Mkr	4363'	
				Douglas Creek Mkr	4482'	
				BiCarbonate Mkr	4718'	
				B Limestone Mkr	4833'	
				Castle Peak	5330'	
				Basal Carbonate	5781'	
				Total Depth (LOGGERS	5831'	

**DIVISION OF OIL, GAS AND MINING**  
**UNDERGROUND INJECTION CONTROL PROGRAM**  
**PERMIT**  
**STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Jonah Federal 11-14-9-16

**Location:** 14/9S/16E      **API:** 43-013-32681

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Jonah Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Jonah Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 304 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5,935 feet. A cement bond log demonstrates adequate bond in this well up to 2,954 feet. A 2 7/8 inch tubing with a packer will be set at 4,640. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. There are 8 producing wells and 1 injection well in the area of review. All of the wells have evidence of adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1,600 feet. Injection shall be limited to the interval between 3,812 feet and 5,781 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 11-14-9-16 well is .77 psi/ft. which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,838 psig. The requested maximum pressure is 1,838 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Jonah Fed. 11-14-9-16**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Jonah Unit January 13, 1993 . Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

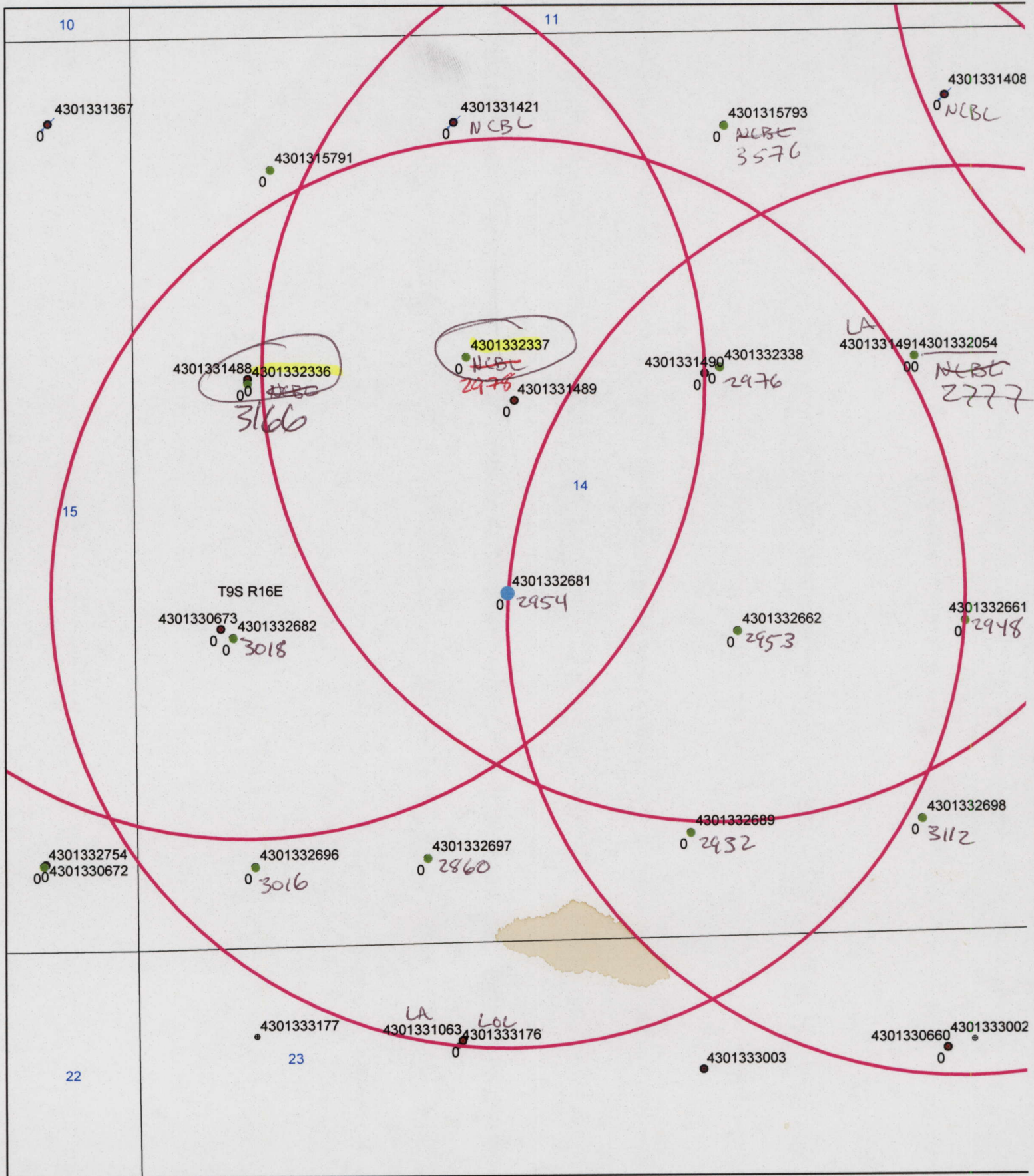
**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date 09/19/2006

# Jonah Fed. 11-14-9-16 UIC-331.5





March 10, 2006

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Jonah Federal #11-14-9-16  
Monument Butte Field, Jonah Unit, Lease #UTU-096547  
Section 14 -Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Jonah Federal #11-14-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Jonah Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

David Gerbig  
Operations Engineer

RECEIVED

MAR 29 2006

DIVISION OF OIL, GAS AND MINING

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**JONAH FEDERAL #11-14-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**JONAH UNIT**  
**LEASE #UTU-096547**  
**MARCH 10, 2006**

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## APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR	Newfield Production Company
ADDRESS	1401 17th Street, Suite 1000
	Denver, Colorado 80202

Well Name and number:	Jonah Federal #11-14-9-16		
Field or Unit name:	Monument Butte (Green River), Jonah Unit	Lease No.	UTU-096547
Well Location: QQ	NE/SW	section 14	township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]

Will the proposed well be used for:

Enhanced Recovery? . . . . .	Yes [ X ] No [ ]
Disposal? . . . . .	Yes [ ] No [ X ]
Storage? . . . . .	Yes [ ] No [ X ]

Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]

If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ ] No [ X ]

Date of test: \_\_\_\_\_

API number: 43-013-32681

Proposed injection interval: from 3812' to 5781'

Proposed maximum injection: rate 500 bpd pressure 1838 psig

Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.

**IMPORTANT:** Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: <u>David Gerbig</u>	Signature _____
Title: <u>Operations Engineer</u>	Date: _____
Phone No. <u>(303) 893-0102</u>	

(State use only)

Application approved by \_\_\_\_\_ Title \_\_\_\_\_

Approval Date \_\_\_\_\_

Comments:

# Jonah Federal 11-14-9-16

Spud Date: 5/25/05  
Put on Production: 6/24/05  
GL: 5621' KB: 5633'

Initial Production: 115 BOPD,  
15 MCFD, 114 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (304.17')  
DEPTH LANDED: 314.17' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5835.87')  
DEPTH LANDED: 5833.87' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 140'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 177 jts (5530.92')  
TUBING ANCHOR: 5542.92' KB  
NO. OF JOINTS: 2 jts (62.20')  
SN LANDED AT: 1.10' (5607.92')  
NO. OF JOINTS: 2 jts. (62.56')  
TOTAL STRING LENGTH: EOT @ 5672.03' KB

Cement top @ 140'

Packer @ 4640'

4675'-4685'

4749'-4854'

4982'-5007'

5557'-5572'

PBTD @ 5790'

SHOE @ 5834'

TD @ 5935'

### FRAC JOB

6/20/05 5557'-5572' **Frac CP3 sands as follows:**  
55,674# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 1748 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 5555 gal. Actual flush: 5544 gal.

6/20/05 4982'-5007' **Frac A3 sands as follows:**  
95,489# 20/40 sand in 692 bbls Lightning 17 frac fluid. Treated @ avg press of 2096 psi w/avg rate of 24.9 BPM. ISIP 2330 psi. Calc flush: 4980 gal. Actual flush: 4998 gal.

6/20/05 4675'-4754' **Frac C&B1 sands as follows:**  
62,157# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1650 psi w/avg rate of 25 BPM. ISIP 1920 psi. Calc flush: 4673 gal. Actual flush: 4578 gal.

### PERFORATION RECORD

6/14/05	5557'-5572'	4 JSPF	60 holes
6/20/05	4982'-5007'	4 JSPF	100 holes
6/20/05	4749'-4754'	4 JSPF	20 holes
6/20/05	4675'-4685'	4 JSPF	40 holes

**NEWFIELD**

**Jonah Federal 11-14-9-16**

2030' FSL & 2160' FWL

NE/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32681; Lease #UT11-0096547

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1401 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Jonah Federal #11-14-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field, Jonah Unit.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Jonah Federal #11-14-9-16 well, the proposed injection zone is from Garden Gulch to Basal Limestone (3812' - 5781'). The confining strata directly above and below the injection zones are the Garden Gulch and Castle Peak Members of the Green River Formation, with the Garden Gulch Marker top at 3812' and the Castle Peak top at 5330'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Jonah Federal #11-14-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #UTU-096547) in the Monument Butte (Green River) Field, Jonah Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 314' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5834' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1838 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Jonah Federal #11-14-9-16, for existing perforations (4675' - 5572') calculates at 0.77 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1838 psig. We may add additional perforations between 3812' and 5831'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Jonah Federal #11-14-9-16, the proposed injection zone (3812' - 5781') is in the Garden Gulch to Basal limestone members of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-12.

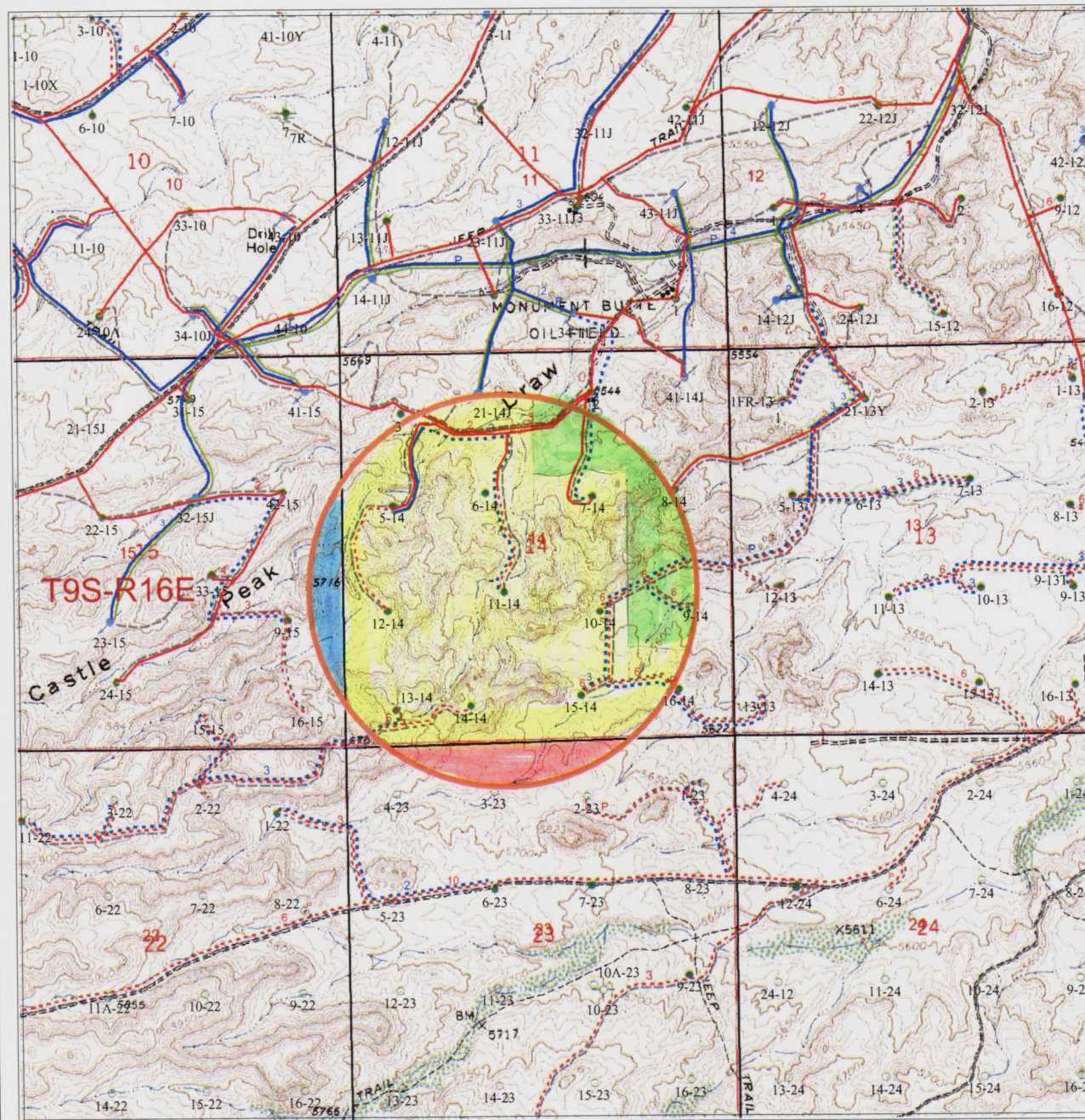
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



- Well Status**
- Location
  - Surface Spud
  - Drilling
  - Waiting on Completion
  - Producing Oil Well
  - Producing Gas Well
  - Water Injection Well
  - Dry Hole
  - Temporarily Abandoned
  - Plugged & Abandoned
  - Shut In
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
- Gas Pipelines**
- Gathering lines
  - Proposed lines
- Mining tracts**
- 11-14-9-16\_Buffer

UTU-096547

UTU-017985

UTU-096550

UTU-15855

## Attachment A

Jonah 11-14-9-16  
Section 14, T9S-R16E

**NEWFIELD**  
ROCKY MOUNTAINS

1" = 2000'

1/2 Mile Radius Map  
Duchesne County

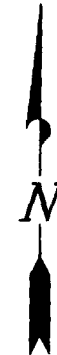
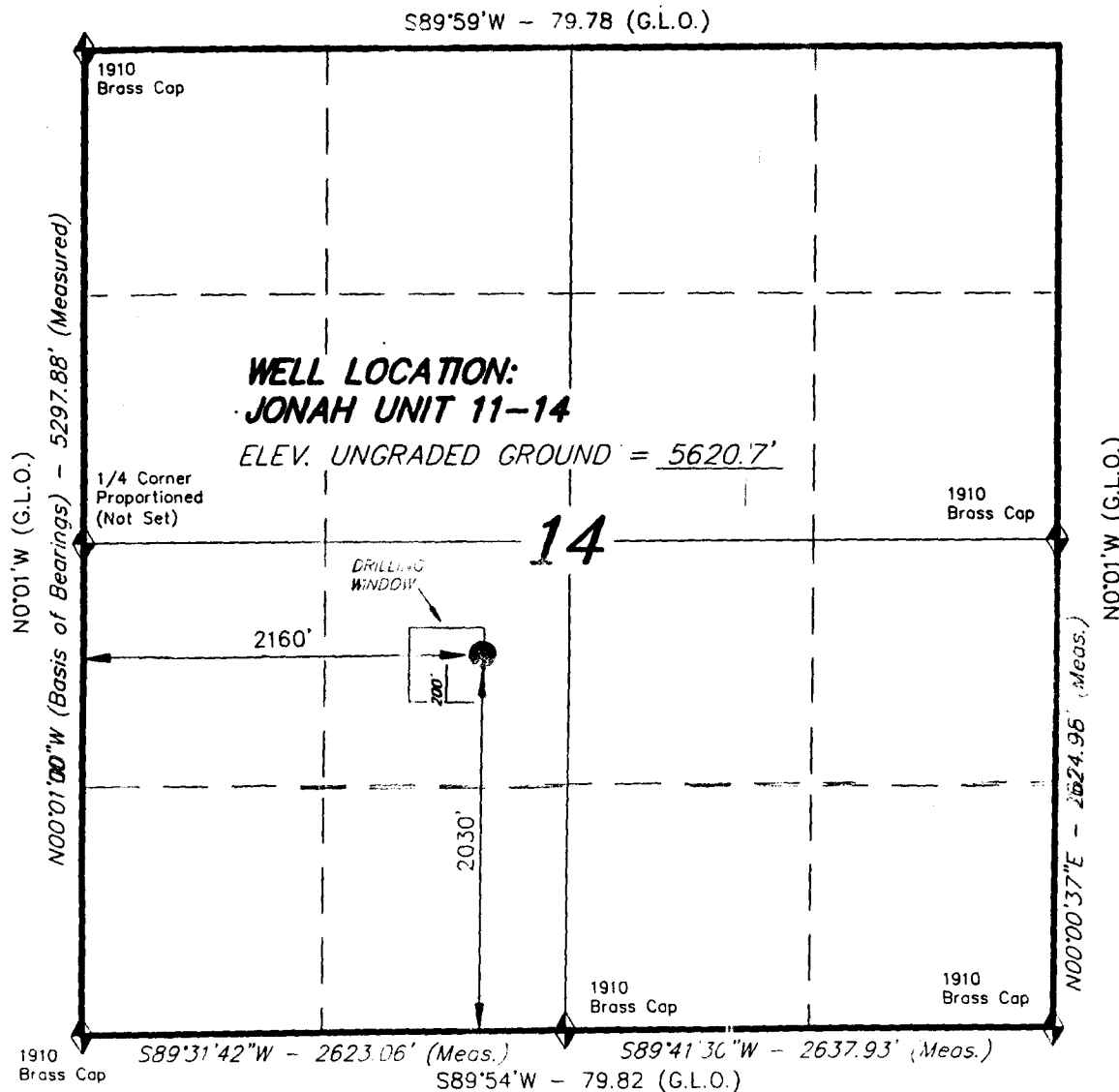
Alamo Plaza Building  
1401 17th Street Suite 1000  
Denver, Colorado 80202-1247  
Phone: (303) 893-0102

February 17, 2006

**T9S, R16E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, JONAH UNIT 11-14,  
LOCATED AS SHOWN IN THE NE 1/4 SW  
1/4 OF SECTION 14, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



Attachment A-1

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 7-6-04	DRAFTED BY: F.T.M.
NOTES:	FILE #

# EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 11: W/2SW/4, SE/4SW/4 Section 14: SW/4NE/4, SE/4SE/4, W/2SE/4, W/2	UTU-096547 HBP	Newfield Production Company	(Surface Rights) USA
2	<u>Township 9 South, Range 16 East</u> Section 10: S/2SE/4 Section 15: E/2, E/2W/2	UTU-017985 HBP	Newfield Production Company	(Surface Rights) USA
3	<u>Township 9 South, Range 16 East</u> Section 23: E/2, NW/4, E/2SW/4, NW/4SW/4 Section 24: N/2, SW/4, N/2SE/4, SW/4SE/4	UTU-15855 HBP	Newfield Production Company El Paso Production Oil & Gas Co. Rust to Gold, LLC	(Surface Rights) USA
4	<u>Township 9 South, Range 16 East</u> Section 11: E/2, NW/4, NE/4SW/4 Section 12: NW/4 Section 14: N/2NE/4, SE/4NE/4, NE/4SE/4	UTU-096550 HBP	Newfield Production Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Jonah Federal #11-14-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed David Gerbig  
Newfield Production Company  
David Gerbig  
Operations Engineer

Sworn to and subscribed before me this 22 day of March, 2006.

Notary Public in and for the State of Colorado:

My Commission Expires  
05/05/2009

Laurie DeSean

My Commission Expires: \_\_\_\_\_

## Jonah Federal 11-14-9-16

Spud Date: 5/25/05  
 Put on Production: 6/24/05  
 GL: 5621' KB: 5633'

Initial Production: 115 BOPD,  
 15 MCFD, 114 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.17')  
 DEPTH LANDED: 314.17' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5835.87')  
 DEPTH LANDED: 5833.87' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 140'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 177 jts (5530.92')  
 TUBING ANCHOR: 5542.92' KB  
 NO. OF JOINTS: 2 jts (62.20')  
 SN LANDED AT: 1.10' (5607.92')  
 NO. OF JOINTS: 2 jts. (62.56')  
 TOTAL STRING LENGTH: EOT @ 5672.03' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' pl rd  
 SUCKER RODS: 6 1-1/2" weight bars; 10-3/4" guided rods; 108-3/4" plain rods; 100-3/4" guided rods; 2-3/4" pony rods, 1-2"x3/4" pony rod,  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10"x14" RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM

FRAC JOB

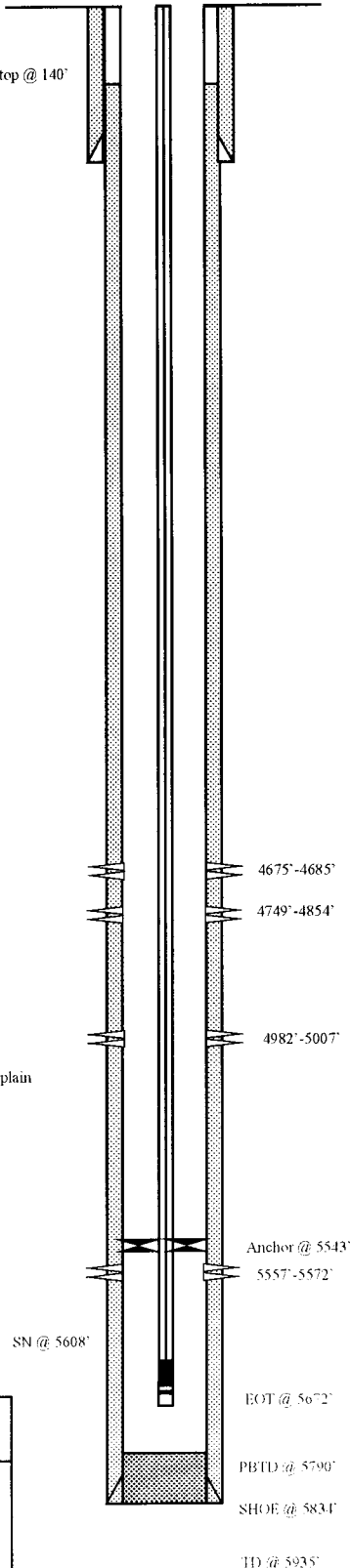
6/20/05 5557'-5572' **Frac CP3 sands as follows:**  
 55,674# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 1748 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 5555 gal. Actual flush: 5544 gal.


6/20/05 4982'-5007' **Frac A3 sands as follows:**  
 95,489# 20/40 sand in 692 bbls Lightning 17 frac fluid. Treated @ avg press of 2096 psi w/avg rate of 24.9 BPM. ISIP 2330 psi. Calc flush: 4980 gal. Actual flush: 4998 gal.

6/20/05 4675'-4754' **Frac C&B1 sands as follows:**  
 62,157# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1650 psi w/avg rate of 25 BPM. ISIP 1920 psi. Calc flush: 4673 gal. Actual flush: 4578 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
6/14/05	5557'-5572'	4 JSPF	60 holes
6/20/05	4982'-5007'	4 JSPF	100 holes
6/20/05	4749'-4754'	4 JSPF	20 holes
6/20/05	4675'-4685'	4 JSPF	40 holes



<b>NEWFIELD</b> 
<b>Jonah Federal 11-14-9-16</b> 2030' FSL & 2160' FWL NE/SW Section 14-T9S-R16E Duchesne Co, Utah API #43-013-32681; Lease #UTU-096547

## Monument Fed. #21-14J-9-16

Spud Date: 2/09/94  
 Put on Production: 4/20/94  
 Put on Injection: 10/29/94  
 GL: 5592' KB: 5602'

Initial Production: 45 BOPD,  
 0 MCFD, 0 BWPD

SURFACE CASING

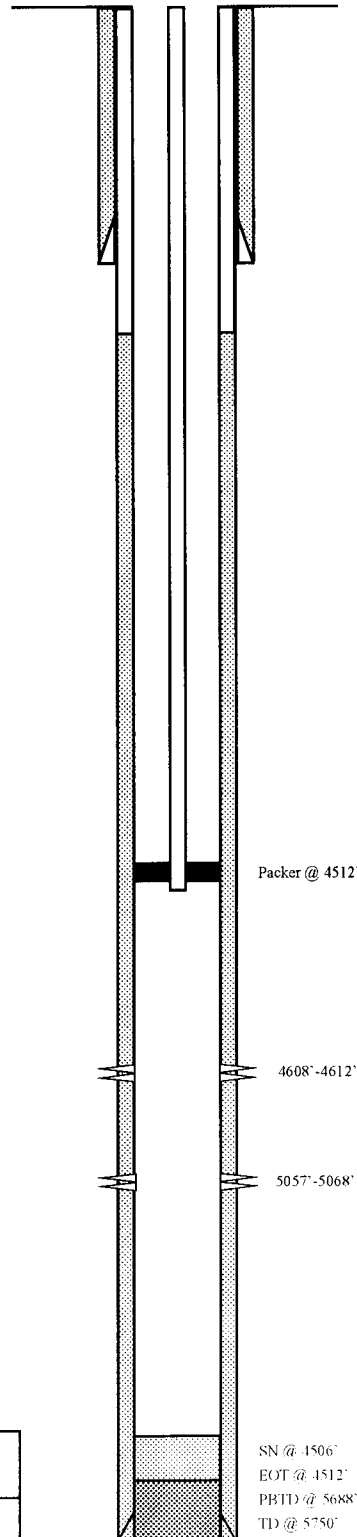
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts. (248.40')  
 DEPTH LANDED: 256'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5732.57')  
 DEPTH LANDED: 5732.57'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 160 sxs Thrifty-lite & 270 sxs 50/50 POZ.  
 CEMENT TOP AT: 2100' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 144 jts (4504.90')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4506.00' KB  
 2 7/8" x 2 3/8" CROSS-OVER: 4506.75' KB  
 PACKER: 4512.95' KB  
 TOTAL STRING LENGTH: EOT @ 4512.95'

Injection Wellbore  
DiagramFRAC JOB

4/06/94 5057'-5068'

**Frac sand as follows:**

16,000# 20/40 sand + 15,000# 16/30 sand in 433 bbls Viking I-35 fluid. Treated @ avg press of 3200 psi w/avg rate of 24 BPM. ISIP 2000 psi. Calc. flush: 3387 gal, Actual flush: 3444 gal.

4/11/94 4608'-4612'

**Frac sand as follows:**

12,000# 16/30 sand in 209 bbls Viking I-35 fluid. Treated @ avg press of 3900 psi w/avg rate of 25.1 BPM. ISIP 1950 psi. Calc. flush: 3084 gal, Actual flush: 3052 gal.

PERFORATION RECORD

Date	Interval	Type	Holes
4/05/94	5057'-5068'	4 JSFP	44 holes
4/08/94	4608'-4612'	4 JSFP	16 holes



**Inland Resources Inc.**

**Monument Fed. #21-14J-9-16**

518' FNL & 1850' FWL

NENW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-31421; Lease #U-096547

## JONAH 5-14-9-16

Spud Date: 6/11/03

Put on Production: 3/10/04

GL: 5608' KB: 5620'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (301.85')

DEPTH LANDED: 311.85' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 150sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 134 jts. (5843.4')

DEPTH LANDED: 5843.4' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 320 sxs Prem. Lite II mixed &amp; 450 sxs 50/50 POZ mix.

CEMENT TOP AT: 404'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 2 jts (64.63')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5673.88' KB

NO. OF JOINTS: 1 jts (32.32')

TUBING ANCHOR: 5638.76' KB

NO. OF JOINTS: 174 jts (5626.26')

TOTAL STRING LENGTH: EOT @ 5740'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'

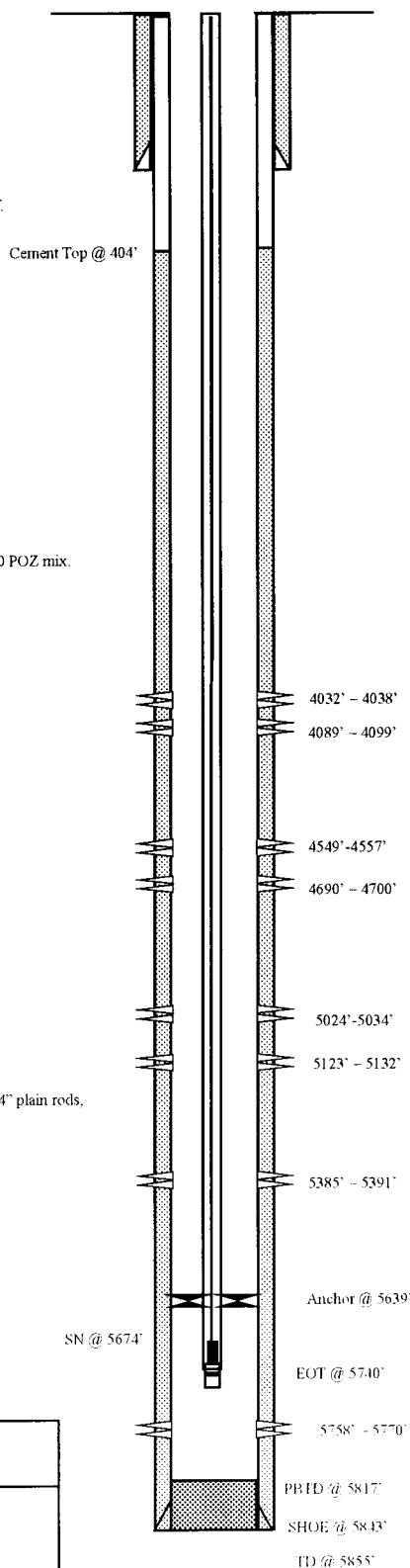
SUCKER RODS: 6-1 1/2" weight rods, 30-3/4" guided rods, 91-3/4" plain rods, 100-3/4" guided rods.

PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC pump

STROKE LENGTH: 64"

PUMP SPEED, SPM: 4.5 SPM

## Wellbore Diagram

Initial Production: 70 BOPD,  
35 MCFD, 17 BWPDFRAC JOB

3/3/04	5758'-5770'	<b>Frac CP5 sands as follows:</b> 35,816# 20/40 sand in 359 bbls lightning Frac 17 fluid. Treated @ avg press of 1890 psi w/avg rate of 24.8 BPM. ISIP 2165 psi. Calc flush: 5756 gal. Actual flush: 5754 gal
3/3/04	5385'-5391'	<b>Frac CP .5 sands as follows:</b> 19,441# 20/40 sand in 251 bbls lightning Frac 17 fluid. Treated @ avg press of 2425 psi w/avg rate of 24.7 BPM. ISIP 1865 psi. Calc flush: 5383 gal. Actual flush: 5376 gal
3/3/04	5123'-5132'	<b>Frac LODC sands as follows:</b> 39,816# 20/40 sand in 371 bbls lightning Frac 17 fluid. Treated @ avg press of 2742 psi w/avg rate of 24.7 BPM. ISIP 3220 psi. Calc flush: 5121 gal. Actual flush: 5124 gal.
3/3/04	5024'-5034'	<b>Frac A3 sands as follows:</b> 39,550# 20/40 sand in 367 bbls lightning Frac 17 fluid. Treated @ avg press of 1996 psi w/avg rate of 24.9 BPM. ISIP 2150 psi. Calc flush: 5022 gal. Actual flush: 5040 gal.
3/3/04	4690'-4700'	<b>Frac C sands as follows:</b> 49,590# 20/40 sand in 409 bbls lightning Frac 17 fluid. Treated @ avg press of 1771 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4688 gal. Actual flush: 4704 gal.
3/4/04	4549'-4557'	<b>Frac D1 sands as follows:</b> 24,970# 20/40 sand in 267 bbls lightning Frac 17 fluid. Treated @ avg press of 2180 psi w/avg rate of 24.6 BPM. ISIP 2050 psi. Calc flush: 4547 gal. Actual flush: 4536 gal.
3/4/04	4032'-4099'	<b>Frac GB4 and 6 sands as follows:</b> 52,120# 20/40 sand in 419 bbls lightning Frac 17 fluid. Treated @ avg press of 1950 psi w/avg rate of 24.7 BPM. ISIP 1890 psi. Calc flush: 4030 gal. Actual flush: 3948 gal.
10/18/05		Tbg. Leak. Update tubing and rod Details.

PERFORATION RECORD

3/02/04	5758'-5770'	4 JSPF	48 holes
3/03/04	5385'-5391'	4 JSPF	24 holes
3/03/04	5123'-5132'	4 JSPF	36 holes
3/03/04	5024'-5034'	4 JSPF	40 holes
3/03/04	4690'-4700'	4 JSPF	40 holes
3/03/04	4549'-4557'	4 JSPF	32 holes
3/04/04	4089'-4099'	4 JSPF	40 holes
3/04/04	4032'-4038'	4 JSPF	24 holes

**NEWFIELD**

**Jonah 5-14-9-16**  
2028' FNL & 659' FWL  
SW/NW Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32336; Lease #UTU-096547

## Jonah 6-14-9-16

Spud Date: 6/10/03  
Put on Production: 3/19/04  
GL: 5593' KB: 5605'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (300.71')  
DEPTH LANDED: 310.71' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5854.02')  
DEPTH LANDED: 5852.52' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 320 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 310'

TUBING

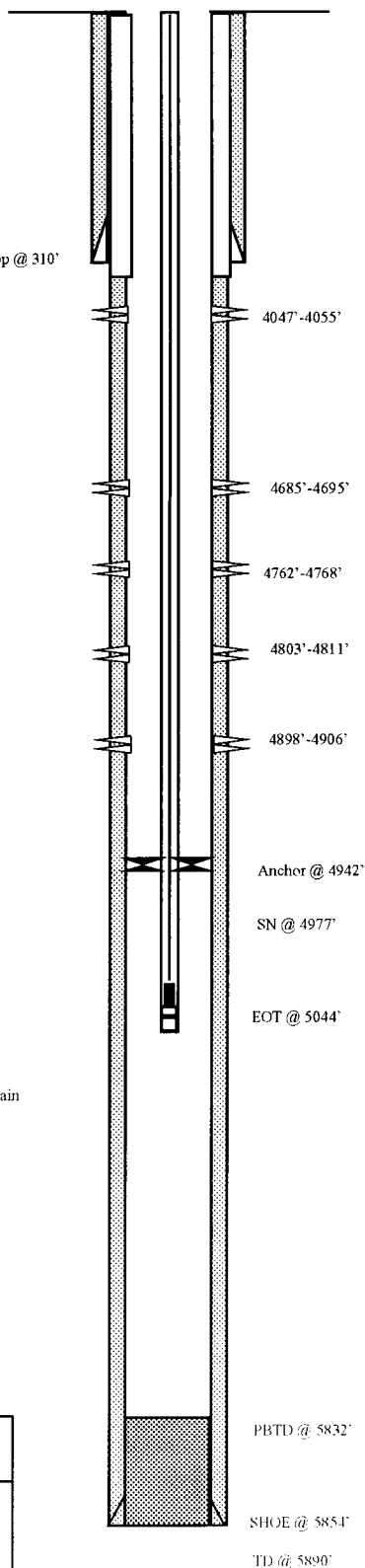
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 150 jts (4929.09')  
TUBING ANCHOR: 4941.59' KB  
NO. OF JOINTS: 1 jts (33.02')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4977.41' KB  
NO. OF JOINTS: 2 jts (65.08')  
TOTAL STRING LENGTH: EOT @ 5044.04' w/12.5 KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 83-3/4" plain rods; 99-3/4" scraped rods, 1-8", 1-6", 1-2" x 3/4" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/ SM Plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6 SPM  
LOGS: DIGI/SP/GR/CAL

## Wellbore Diagram

Cement Top @ 310'

FRAC JOB

3/11/04 4986'-5018' **Frac A3 sands as follows:**  
105,000# 20/40 sand in 855 bbls Lightning 17 fluid. Treated @ avg press of 2160 psi w/avg rate of 24.7 BPM. ISIP 2600 psi. Calc flush: 4984 gal. Actual flush: 4977 gal.

3/13/04 4898'-4906' **Frac A.5 sands as follows:**  
20,600# 20/40 sand in 249 bbls Lightning 17 fluid. Treated @ avg press of 2825 psi w/avg rate of 24.7 BPM. ISIP 2600 psi. Calc flush: 4896 gal. Actual flush: 4893 gal.

3/13/04 4762'-4811' **Frac B2 and B.5 sands as follows:**  
58,600# 20/40 sand in 464 bbls Lightning 17 fluid. Treated @ avg press of 2080 psi w/avg rate of 24.7 BPM. ISIP 1975 psi. Calc flush: 4760 gal. Actual flush: 4759 gal.

3/16/04 4685'-4695' **Frac C sands as follows:**  
53,600# 20/40 sand in 449 bbls Lightning 17 fluid. Treated @ avg press of 2810 psi w/avg rate of 24.4 BPM. ISIP 2230 psi. Calc flush: 4683 gal. Actual flush: 4683 gal.

3/16/04 4047' - 4055' **Frac GB6 sands as follows:**  
27,989# 20/40 sand in 268 bbls Lightning 17 fluid. Treated @ avg press of 1685psi w/avg rate of 24.7 BPM. ISIP 1830 psi. Calc flush: 4045 gal. Actual flush: 3960 gal.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
3/09/04	4986'-5018'	2 JSPF	64 holes
3/13/04	4898'-4906'	4 JSPF	32 holes
3/13/04	4803'-4811'	4 JSPF	32 holes
3/13/04	4762'-4768'	4 JSPF	24 holes
3/13/04	4685'-4695'	4 JSPF	40 holes
3/16/04	4047'-4055'	4 JSPF	32 holes



Inland Resources Inc.

Jonah 6-14-9-16

1882' FNL &amp; 1923 FWL

SE1/4 Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32337, Lease #U-096547

## Jonah #7-14-9-16

Spud Date: 5/11/03  
Put on Production: 3/25/04  
GL: 5570' KB: 5582'

Initial Production: 160 BOPD,  
160 MCFPD, 51 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 311.89'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class G mixed, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 132 jts, 5876.88'  
DEPTH LANDED: 5875.38'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 376 sxs Prem-lite II mixed & 400 sxs 50/50 poz  
CEMENT TOP AT: 170'

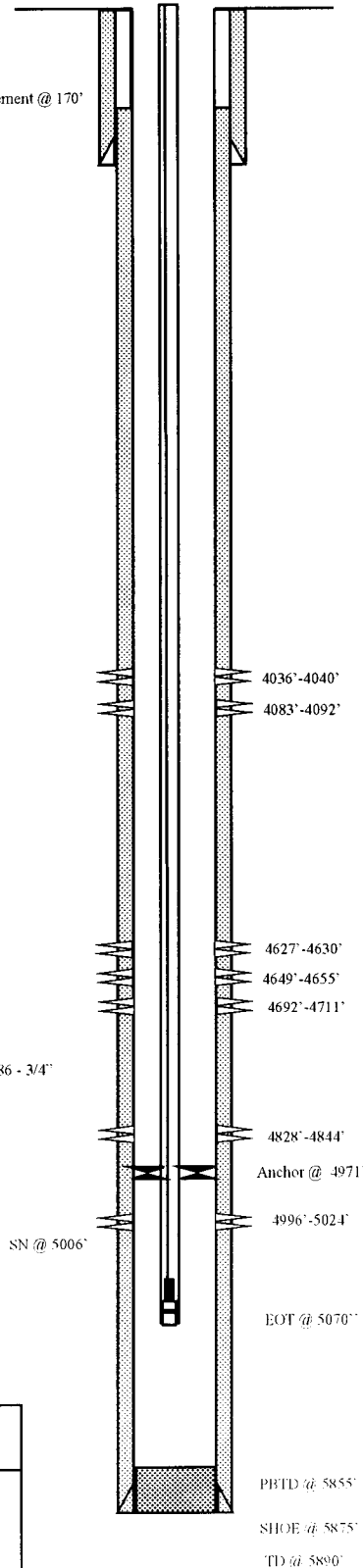
TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#  
NO. OF JOINTS: 158 jts. (4958.90')  
TUBING ANCHOR: 4971.40'  
NO. OF JOINTS: 1 jts. (31.54')  
SEATING NIPPLE: 2 7/8" (1.10')  
SN LANDED AT: 5005.74'  
NO. OF JOINTS: 2 jts. (62.95')  
TOTAL STRING LENGTH: EOT @ 5070.24'

SUCKER RODS

POLISHED ROD: 1 1/2" x 22'  
SUCKER RODS: 6- 1 1/2" weighted rods, 10 - 3/4" scraped rods, 86 - 3/4" plain rods, 99 - 3/4" scraped rods, 1-4' & 1-2' x 3/4" pony rods.  
PUMP LENGTH: 2 1/2" x 1 1/2" x 14.5' RHAC  
STROKE LENGTH: 84"  
PUMP SPEED, SPM: 6  
LOGS: DIL/SFL/FDC/CNL/CBL

## Wellbore Diagram

FRAC JOB

3/19/04 4996'-5024' **Frac A3 sands as follows:**  
100,024# 20/40 sand in 713 bbls lightning  
Frac 17 fluid. Treated @ avg press of 2152  
psi w/avg rate of 24.6 BPM. ISIP 2520 psi.  
Calc flush: 4994 gal. Actual flush: 4998 gal.

3/19/04 4828'-4844' **Frac B2 sands as follows:**  
69,957# 20/40 sand in 536 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1857 psi  
w/avg rate of 24.7 BPM. ISIP 2110 psi. Calc  
flush: 4826 gal. Actual flush: 4830 gal.

3/19/04 4692'-4711' **Frac C sands as follows:**  
50,348# 20/40 sand in 417 bbls lightning  
Frac 17 fluid. Treated @ avg press of 1987 psi  
w/avg rate of 31.1 BPM. ISIP 2100 psi. Calc  
flush: 4690 gal. Actual flush: 4704 gal.

3/19/04 4627'-4655' **Frac D3 sands as follows:**  
24,818# 20/40 sand in 268 bbls lightning  
Frac 17 fluid. Treated @ avg press of 2542 psi  
w/avg rate of 24.6 BPM. ISIP 2070 psi. Calc  
flush: 4625 gal. Actual flush: 4620 gal.

3/19/04 4036'-4092' **Frac GB6 & GB4 sands as follows:**  
39,524# 20/40 sand in 346 bbls lightning  
Frac 17 fluid. Treated @ avg press of 2210 psi  
w/avg rate of 24.6 BPM. ISIP 1750 psi. Calc  
flush: 4034 gal. Actual flush: 3948 gal.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
3/17/04	4996'-5024'	4 JSPF	112 holes
3/19/04	4828'-4844'	4 JSPF	64 holes
3/19/04	4692'-4711'	4 JSPF	76 holes
3/19/04	4649'-4655'	4 JSPF	24 holes
3/19/04	4627'-4630'	4 JSPF	12 holes
3/19/04	4083'-4092'	4 JSPF	36 holes
3/19/04	4036'-4040'	4 JSPF	16 holes

NEWFIELD

JONAH 7-14-9-16

1944' FNL &amp; 1892' FEL

SW/NE Section 14, T9S R16E

DUCHESE CO, UTAH

API #43-013-32338; LEASE #UTU-096547

## Jonah Unit #8-14

Spud Date: 5/22/98

Pu

Initial Production: 6/22/98

GL: 5607' KB: 5617'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (290')

DEPTH LANDED: 291'

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 1-1/2 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 133 jts. (5677')

DEPTH LANDED: 5688' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 320 sk Poz Type III mixed &amp; 310 sxs Class G

CEMENT TOP AT: 2566' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

NO. OF JOINTS: 161 jts

TUBING ANCHOR: 5020'

SEATING NIPPLE: 5-1/2" (1.10')

TOTAL STRING LENGTH: EOT @ 5152'

SN LANDED AT: 5086'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 4 - 1-1/2" weight rods, 4-3/4" scraped, 97 - 3/4" plain rods, 97 - 3/4" scraped rods, 1 - 3/4" plain rod, 1 - 3/4"x8" pony rod.

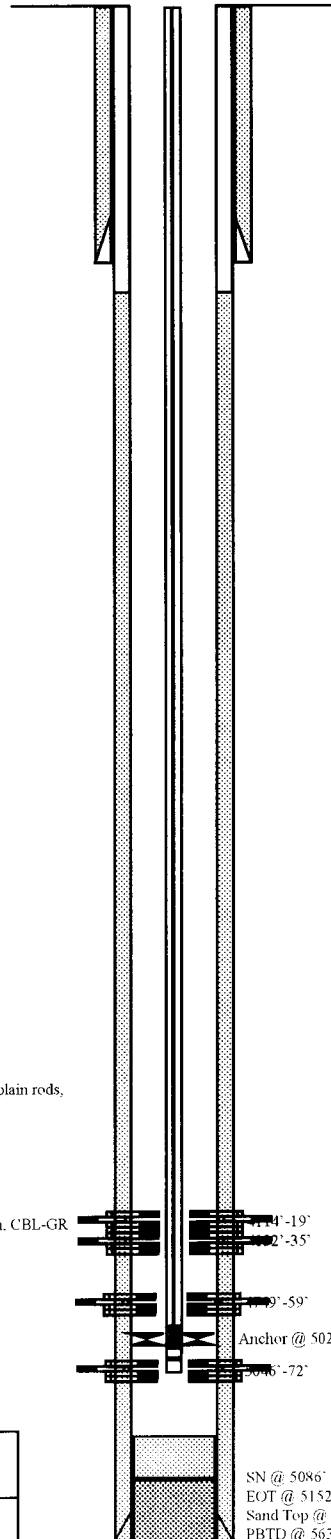
PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC rod pump

STROKE LENGTH: 74"

PUMP SPEED, SPM: 6 SPM

LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron. CBL-GR

## Wellbore Diagram

FRAC JOB

6/13/98 5046'-5072'

Frac A-3 sand as follows:

114,000# 20/40 sand in 565 bbls Viking I-25 fluid. Perf Broke down @ 3823 psi. Treated @ avg press of 1875 psi, w/avg rate of 30 BPM. ISIP: 2350 psi, 5-min 2100 psi. Flowback on 12/64 choke for 3 hours and died.

6/16/98 4749'-4759'

Frac C sand as follows:

113,994# of 20/40 sand in 546 bbls Viking I-25 fluid. Perfs Broke down @ 3032 psi. Treated @ avg press of 2000 psi w/ avg rate of 28 bpm. ISIP: 2250 psi, 5-min 2000 psi. Flowback on 12/64" choke for 3-1/2 hours and died.

6/18/98 4114'-4135'

Frac GB sand as follows:

96,580# 20/40 sand in 475 bbls Viking I-25 fluid. Perfs broke down @ 3387 psi. Treated @ avg press of 1850 psi w/avg rate of 24.5 BPM. ISIP 1850 psi, 5-min 1535 psi. Flowback on 12/64" choke for 2-1/2 hours and died.

PERFORATION RECORD

6/13/98	5046'-5072'	2 JSPF	52 holes
6/15/98	4749'-4759'	4 JSPF	40 holes
6/17/98	4114'-4119'	4 JSPF	20 holes
6/17/98	4132'-4135'	4 JSPF	12 holes



Inland Resources Inc.

Jonah Unit #8-14

1882 FNL 773 FEL

SENE Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32054; Lease #U-096550

SN @ 5086'  
EOT @ 5152'  
Sand Top @ 5351'  
PBTD @ 5635'  
TD @ 5700'

## Jonah Federal 9-14-9-16

Spud Date: 05/13/05  
 Put on Production: 06/15/05  
 GL: 5571' KB: 5583'

Initial Production: 46 BOPD,  
 111 MCFPD, 45 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.57')  
 DEPTH LANDED: 314.57'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sks Class "G" cement, est. 6 bbls cement to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5772.05')  
 DEPTH LANDED: 5770.05' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sks Prem Lite II, 400 sks 50-50 Poz mix  
 CEMENT TOP @ 160'

TUBING

SIZE/GRADE/WT.: 2 7/8" / 6.5# / J-55  
 NO. OF JOINTS: 169 jts. (5498.71')  
 TUBING ANCHOR: 5510.71' KB  
 NO. OF JOINTS: 1 jt. (32.55')  
 SN LANDED AT: 1.10' (5546.06')  
 NO. OF JOINTS: 2 jts. (65.66')  
 TOTAL STRING LENGTH: 5612.77' w/ 12' KB

SUCKER RODS


POLISHED ROD: 1 1/2" x 22'  
 SUCKER RODS: 1-8", 1-2" X 3/4" pony rods, 100-3/4" scraped rods, 105-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods  
 PUMP SIZE: 2 1/2" x 1 1/2" x 14" RHAC w/sm plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5 SPM  
 LOGS: CBL

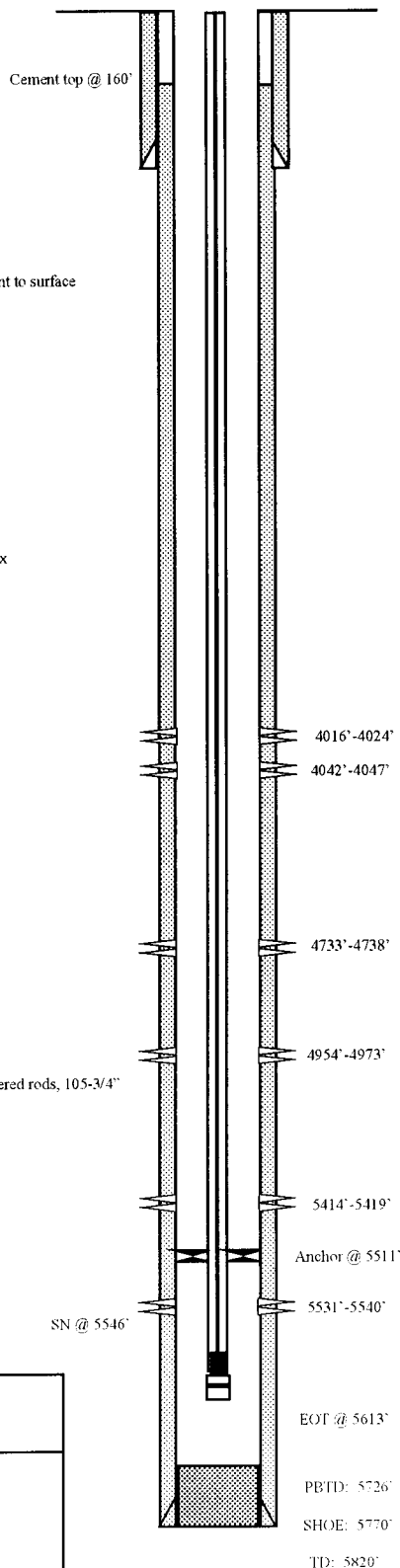
FRAC JOB

06/07/05	5414'-5540'	<b>Frac CP4 and CP2 sand as follows:</b> 40,739#'s of 20/40 sand in 416 bbls lightning 17 frac fluid. Treated w/avg press of 1595 psi, w/avg rate of 24.9 bpm. ISIP 1780 psi. Calc flush: 5412 gal. Actual flush: 5166 gal.
06/07/05	4954'-4973'	<b>Frac A3 sand as follows:</b> 70,185#'s of 20/40 sand in 538 bbls lightning 17 frac fluid. Treated w/avg press of 1763 psi. ISIP 2170 psi. Calc flush: 4952 gal. Actual flush: 4704 gal.
06/08/05	4733'-4738'	<b>Frac B1 sand as follows:</b> 20,210#'s of 20/40 sand in 253 bbls lightning 17 frac fluid. Treated w/avg press of 2085 psi, w/ avg rate of 24.8 bpm. ISIP 2050 psi. Calc flush: 4731 gal. Actual flush: 4494 gal.
06/08/05	4016'-4047'	<b>Frac GB6 sand as follows:</b> 38,754#'s of 20/40 sand in 347 bbls lightning 17 frac fluid. Treated w/avg press of 1704 psi w/avg rate of 24.7 bpm. ISIP 1840 psi. Calc flush: 4014 gal. Actual flush: 3948 gal.

PERFORATION RECORD

06/01/05	5531'-5540'	4 JSPP	36 holes
06/01/05	5414'-5419'	4 JSPP	20 holes
06/07/05	4954'-4973'	4 JSPP	76 holes
06/07/05	4733'-4738'	4 JSPP	20 holes
06/08/05	4042'-4047'	4 JSPP	20 holes
06/08/05	4016'-4024'	4 JSPP	32 holes


<b>Jonah Federal 9-14-9-16</b> 1785' FSL & 508' FEL NE/SE Section 14-T9S-R16E Duchesne Co. Utah API 43-013-32661; Lease UTU-096550



## Jonah Federal 10-14-9-16

Spud Date: 5-18-05  
Put on Production: 6-23-05

GL: 5607' KB: 5619'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (303')  
DEPTH LANDED: 314.85' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5796.74')  
DEPTH LANDED: 5809.99' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 310 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 90'

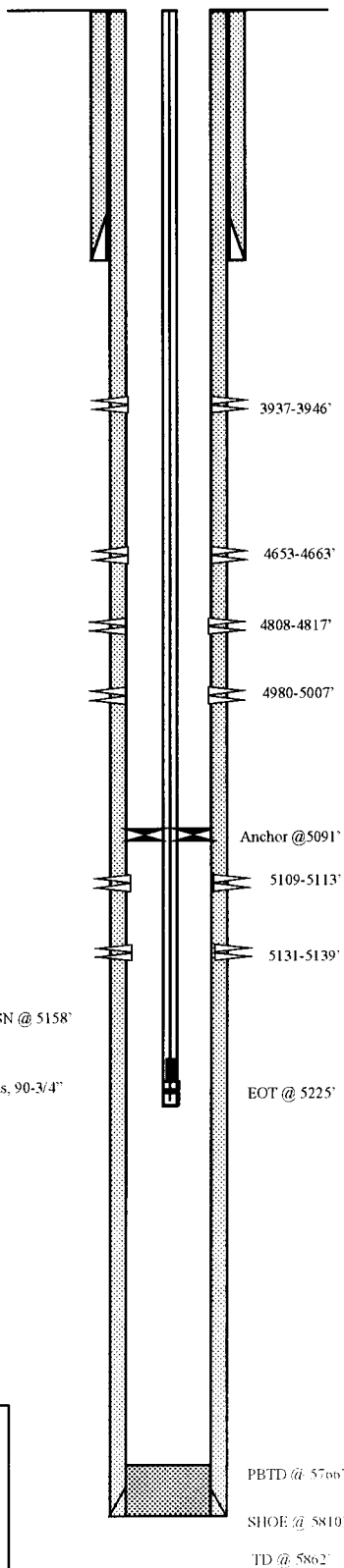
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 156 jts (5079.07')  
TUBING ANCHOR: 5091.07' KB  
NO. OF JOINTS: 2 jts (64.14')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5158.01' KB  
NO. OF JOINTS: 2 jts (65.04')  
TOTAL STRING LENGTH: EOT @ 5224.60' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 1-8", 1-6" & 1-2" 3/4" ponies, 99- 3/4" scraped rods, 90-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weighted rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, 5 SPM

## Wellbore Diagram

FRAC JOB

6-15-05 5109-5139' **Frac LODC sand as follows:**  
40770#'s 20/40 sand in 380 bbls Lightning  
17 frac fluid. Treated @ avg press of 3040 psi  
w/avg rate of 24.3 BPM. ISIP 2950 psi. Calc  
flush: 5107 gal. Actual flush: 4872 gal.

6-15-05 4980-5007' **Frac A3 sand as follows:**  
110,559#'s 20/40 sand in 774 bbls Lightning  
17 frac fluid. Treated @ avg press of 1950 psi  
w/avg rate of 24.8 BPM. ISIP 2250 psi. Calc  
flush: 4978 gal. Actual flush: 4746 gal.

6-16-05 4808-4817' **Frac B2, sand as follows:**  
40877#'s 20/40 sand in 371 bbls Lightning  
17 frac fluid. Treated @ avg press of 2399 psi  
w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc  
flush: 4806 gal. Actual flush: 4536 gal.

6-16-05 3937-3946' **Frac GB2 sand as follows:**  
29376#'s 20/40 sand in 281 bbls Lightning  
17 frac fluid. Treated @ avg press of 1585 psi  
w/avg rate of 14.3 BPM. ISIP 2100 psi. Calc  
flush: 3935 gal. Actual flush: 3864 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
6-10-05	5109-5113'	4 JSPF	16 holes
6-10-05	5131-5139'	4 JSPF	32 holes
6-13-05	4808-4817'	4 JSPF	36 holes
6-13-05	4980-5007'	4 JSPF	108 holes
6-16-05	3937-3946'	4 JSPF	36 holes
6-16-05	4653-4663'	4 JSPF	40 holes

**NEWFIELD**

Jonah Federal 10-14-9-16  
1730' FSL & 1820' FEL  
NW/SE Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32662; Lease #UTU-96547

## Jonah Federal 12-14-9-16

Spud Date: 5-28-05  
Put on Production: 7-12-05

GL: 5682' KB: 5694'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (302.88')  
DEPTH LANDED: 314.73' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

**PRODUCTION CASING**

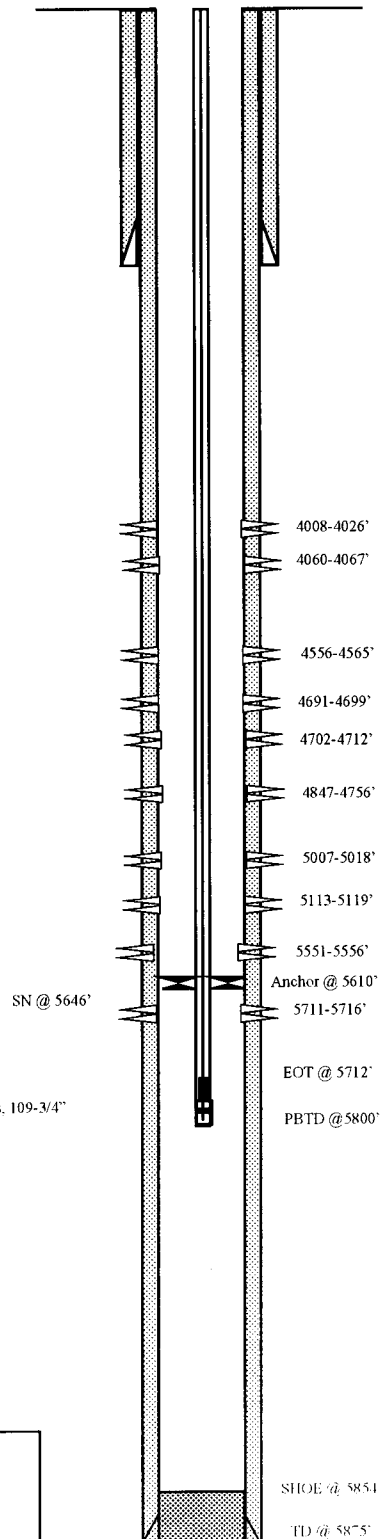
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 142 jts. (5830.79')  
DEPTH LANDED: 5844.04' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 250'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 172 jts (5598.50')  
TUBING ANCHOR: 5610.50' KB  
NO. OF JOINTS: 1 jts (32.52')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5645.82' KB  
NO. OF JOINTS: 2 jts (64.39')  
TOTAL STRING LENGTH: EOT @ 5711.76' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22'  
SUCKER RODS: 1-2', 8" x 3/4" ponies, 100- 3/4" scraped rods, 109-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weighted rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 12"x15" RHAC w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6 SPM

**Wellbore Diagram**

Initial Production: BOPD 118,  
MCFD 7, BWPD 139

**FRAC JOB**

6-30-05	5551-5716'	<b>Frac CP3 &amp; CP5 sand as follows:</b> 25908# s 20/40 sand in 306 bbls Lightning 17 frac fluid. Treated @ avg press of 1599 psi w/avg rate of 25 BPM. ISIP 1775 psi. Calc flush: 5549 gal. Actual flush: 5552 gal.
7-5-05	5007-5119'	<b>Frac A1 &amp; LODC sand as follows:</b> 45,085# s 20/40 sand in 409 bbls Lightning 17 frac fluid. Treated @ avg press of 1818 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 5005 gal. Actual flush: 4788 gal.
7-6-05		<b>Frac B2</b> Decision was made to skip Stage #3.
7-6-05	4691-4712'	<b>Frac C, sand as follows:</b> 99846# s 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 1733 psi w/avg rate of 25 BPM. ISIP 1750 psi. Calc flush: 4689 gal. Actual flush: 4490 gal.
7-6-05	4556-4565'	<b>Frac D1 sand as follows:</b> 54,984# s 20/40 sand in 446 bbls Lightning 17 frac fluid. Treated @ avg press of 1773 psi w/avg rate of 25 BPM. ISIP 1820 psi. Calc flush: 4554 gal. Actual flush: 4334 gal.
7-6-05	4008-4067'	<b>Frac GB2 &amp; GB4 sand as follows:</b> 60,730# s 20/40 sand in 457 bbls Lightning 17 frac fluid. Treated @ avg press of 1425 psi w/avg rate of 25 BPM. ISIP 1650 psi. Calc flush: 4006 gal. Actual flush: 3901 gal.
8-8-05		Pump Change. Update tubing and rod detail.

**PERFORATION RECORD**

6-30-05	5551-5556'	4 JSPF	20 holes
6-30-05	5711-5716'	4 JSPF	20 holes
7-5-05	5007-5018'	4 JSPF	44 holes
7-2-05	5113-5556'	4 JSPF	24 holes
7-6-05	4847-4856'	4 JSPF	36 holes
7-6-05	4691-4699'	4 JSPF	32 holes
7-6-05	4702-4712'	4 JSPF	40 holes
7-6-05	4556-4565'	4 JSPF	36 holes
7-6-05	4060-4067'	4 JSPF	28 holes
7-6-05	4008-4026'	4 JSPF	72 holes

**NEWFIELD**

**Jonah Federal 12-14-9-16**  
1816' FSL & 575' FWL  
NW/4 Section 14-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32682; Lease #UTU-096547

## Jonah Federal 13-14-9-16

Spud Date: 5/21/05  
Put on Production: 7/1/05  
GL: 5758' KB: 5780'

Initial Production: 171 BOPD,  
14 MCFD, 151 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (303.95')  
DEPTH LANDED: 313.95' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5925.19')  
DEPTH LANDED: 5923.19' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 450'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 182 jts  
TUBING ANCHOR: 5697' KB  
NO. OF JOINTS: 2 jts  
SN LANDED AT: 1.10'  
NO. OF JOINTS: 1 jt.  
TOTAL STRING LENGTH: EOT @ 5795' w/12' KB

SUCKER RODS

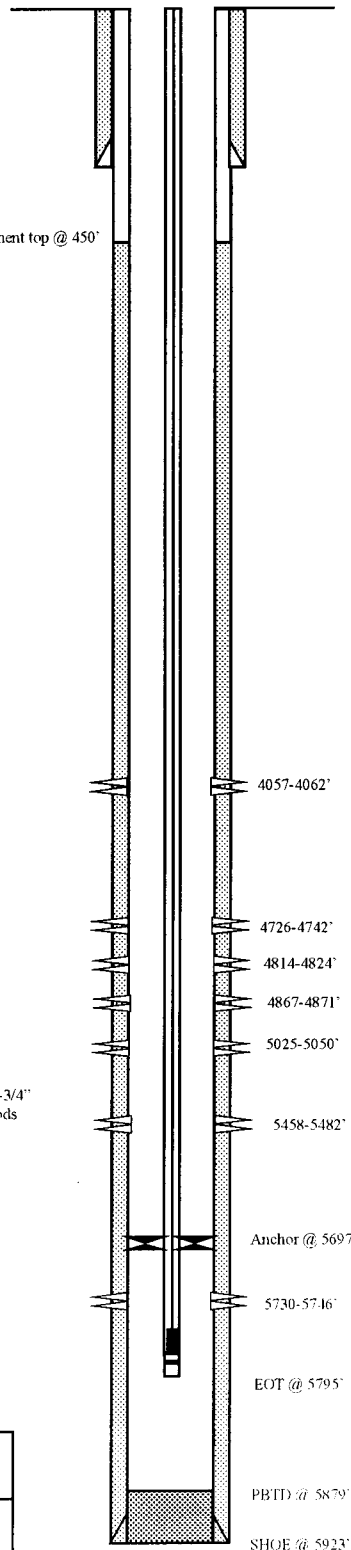
POLISHED ROD: 1 1/2" x 22"  
SUCKER RODS: 1-8", 1-6", 1-4" X 3/4" pony rods, 1-3/4" slick rod, 99-3/4" guided rods, 112-3/4" slick rods, 10-3/4" guided rods, 6-1 1/2" weight rods  
PUMP SIZE: 2 1/2" x 1 1/2" x 10 x 14" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 6 SPM

FRAC JOB

6-27-05	5730-5746'	<b>Frac CP5 sands as follows:</b> 58406# 20/40 sand in 503 bbls Lightning 17 frac fluid. Treated @ avg press of 1678 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 5728 gal. Actual flush: 5712 gal.
6-27-05	5458-5482'	<b>Frac CP1 sands as follows:</b> 78805# 20/40 sand in 609 bbls Lightning 17 frac fluid. Treated @ avg press of 1654 psi w/avg rate of 24.7 BPM. ISIP 2400 psi. Calc flush: 5456 gal. Actual flush: 5462 gal.
6-27-05	5025-5050'	<b>Frac A1/A3 sands as follows:</b> 108479# 20/40 sand in 876 bbls Lightning 17 frac fluid. Treated @ avg press of 1560 psi w/avg rate of 24.7 BPM. ISIP 2300 psi. Calc flush: 5023 gal. Actual flush: 5082 gal.
6-27-05	4814-4871'	<b>Frac B2 &amp; B1 sands as follows:</b> 43548# 20/40 sand in 339 bbls Lightning 17 frac fluid. Treated @ avg press of 1606 psi w/avg rate of 24.6 BPM. ISIP 2150 psi. Calc flush: 4812 gal. Actual flush: 4872 gal.
6-27-05	4726-4742'	<b>Frac C sands as follows:</b> 68949# 20/40 sand in 538 bbls Lightning 17 frac fluid. Treated @ avg press of 1590 psi w/avg rate of 24.5 BPM. ISIP 2100 psi. Calc flush: 4724 gal. Actual flush: 4704 gal.
6-27-05	4057-4062'	<b>Frac GB4 sands as follows:</b> 12976# 20/40 sand in 203 bbls Lightning 17 frac fluid. Treated @ avg press of 1956 psi w/avg rate of 24.7 BPM. ISIP 1850 psi. Calc flush: 4055 gal. Actual flush: 4704 gal.

PERFORATION RECORD

6-22-05	5730-5746'	4 JSFP	64 holes
6-27-05	5458-5482'	4 JSFP	96 holes
6-27-05	5025-5050'	4 JSFP	100 holes
6-27-05	4867-4871'	4 JSFP	16 holes
6-27-05	4814-4824'	4 JSFP	40 holes
6-27-05	4726-4742'	4 JSFP	64 holes
6-27-05	4057-4062'	4 JSFP	20 holes



NEWFIELD

Jonah Federal 13-14-9-16

484' FSL &amp; 688' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-3269b; Lease #UTU-096547

## Jonah Federal 14-14-9-16

Spud Date: 10-11-05  
 Put on Production: 11-22-05  
 GL: 5740' KB: 5752'

Initial Production: BOPD,  
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (301.68')  
 DEPTH LANDED: 312.58' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts. (5761.28')  
 DEPTH LANDED: 5774.53' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 260'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 168 jts (5471.76')  
 TUBING ANCHOR: 5481.76' KB  
 NO. OF JOINTS: 1 jts (32.55')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5517.11' KB  
 NO. OF JOINTS: 2 jts (64.74')  
 TOTAL STRING LENGTH: EOT @ 5583.40' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-6' & 1-2' X 3/4" pony rods, 94- 3/4" scraped rods, 110- 3/4" plain rods, 10- 3/4" scraped rods 6-1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM

FRAC JOB

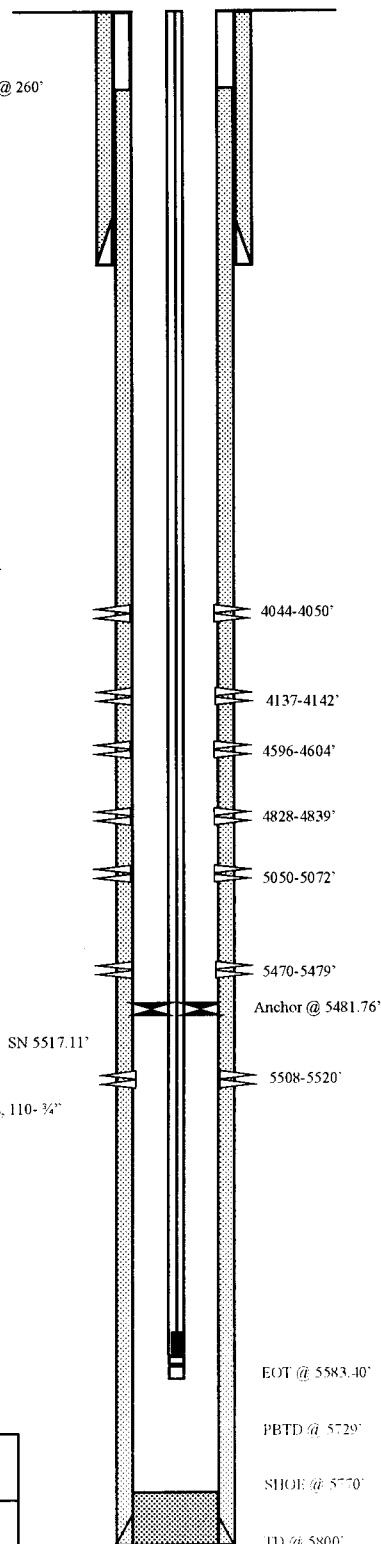
11-14-05 5470-5520' **Frac CP1, & CP2 sands as follows:**  
 30835# 20/40 sand in 393 bbls Lightning 17 frac fluid. Treated @ avg press of 2008 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 5468 gal. Actual flush: 5460 gal.

11-15-05 5050-5072' **Frac A1 sands as follows:**  
 100886# 20/40 sand in 724 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 25.1 BPM. ISIP 2130 psi. Calc flush: 5048 gal. Actual flush: 5082 gal.

11-15-05 4828-4839' **Frac B1 sands as follows:**  
 70362# 20/40 sand in 537 bbls Lightning 17 frac fluid. Treated @ avg press of 1905 psi w/avg rate of 25.1 BPM. ISIP 2060 psi. Calc flush: 4826 gal. Actual flush: 4872 gal.

11-15-05 4596-4604' **Frac D1 sands as follows:**  
 28955# 20/40 sand in 336 bbls Lightning 17 frac fluid. Treated @ avg press of 1758 psi w/avg rate of 14.5 BPM. ISIP 1900 psi. Calc flush: 4594 gal. Actual flush: 4518 gal.

11-15-05 4044-4142' **Frac GB4, & GB6 sands as follows:**  
 31600# 20/40 sand in 333 bbls Lightning 17 frac fluid. Treated @ avg press of 1790 psi w/avg rate of 25.1 BPM. ISIP 1770 psi. Calc flush: 4042 gal. Actual flush: 3948 gal.

PERFORATION RECORD

Date	Interval	Tool	Holes
11-10-05	5508-5520'	4 JSPF	48 holes
11-10-05	5470-5479'	4 JSPF	36 holes
11-14-05	5050-5072'	4 JSPF	88 holes
11-15-05	4828-4839'	4 JSPF	44 holes
11-15-05	4596-4604'	4 JSPF	32 holes
11-15-05	4137-4142'	4 JSPF	20 holes
11-15-05	4044-4050'	4 JSPF	24 holes

 <b>NEWFIELD</b>
<b>Jonah Federal 14-14-9-16</b> 507 FSL & 1684 FWL SE/SW Section 14-T9S-R16E Duchesne Co, Utah API #43-013-32697, Lease #1111-296547

## Jonah Federal 15-14-9-16

Spud Date: 5-4-05  
Put on Production: 6-10-05  
GL: 5631' KB: 5643'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (302-46')  
DEPTH LANDED: 314.31' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5888.88')  
DEPTH LANDED: 5902.13' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 410'

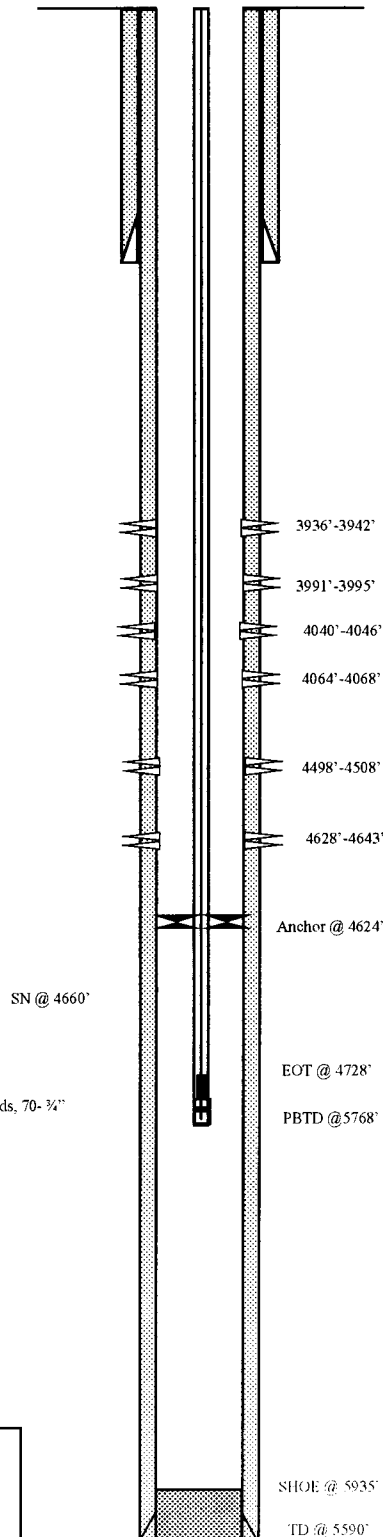
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 138 jts (4611.46')  
TUBING ANCHOR: 4623.46' KB  
NO. OF JOINTS: 1 jts (33.31')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4659.57' KB  
NO. OF JOINTS: 2 jts (66.86')  
TOTAL STRING LENGTH: EOT @ 4727.98' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22"  
SUCKER RODS: 4", 4", 6", 8", x 3/4" pony rods, 99- 3/4" guided rods, 70- 3/4" plain rods, 10- 3/4" guided rods, 6- 1 1/2" K-bars,  
PUMP SIZE: 2-1/2" x 1-1/2" x 10" x 14" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

## Wellbore Diagram



Initial Production: BOPD 42,  
MCFD 13, BWPD 161

FRAC JOB

6-1-05	4628-4643'	<b>Frac C sand as follows:</b> 57,701#s 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 2180 psi w/avg rate of 24.5 BPM. ISIP 3700 psi. Screened out short of flush
6-2-05	4498-4508'	<b>Frac D1 sand as follows:</b> 69,795#s 20/40 sand in 533 bbls Lightning 17 frac fluid. Treated @ avg press of 1589 psi w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 4496 gal. Actual flush: 4200 gal.
6-2-05	4040-4068'	<b>Frac GB6 sand as follows:</b> 28,155#s 20/40 sand in 275 bbls Lightning 17 frac fluid. Treated @ avg press of 2233 psi w/avg rate of 24.6 BPM. ISIP 3450 psi. Screened out short of flush.
6-6-05	3936-3942'	<b>Frac GB2 &amp; GB4 sand as follows:</b> 29,409#s 20/40 sand in 300 bbls Lightning 17 frac fluid. Treated @ avg press of 1930 psi w/avg rate of 24.4 BPM. ISIP 1900 psi. Calc flush: 3934 gal. Actual flush: 3881 gal.

PERFORATION RECORD

5-25-05	4628-4643'	4 JSPF	60 holes
6-2-05	4498-4508'	4 JSPF	40 holes
6-2-05	4040-4046'	4 JSPF	24 holes
6-2-05	4064-4068'	4 JSPF	16 holes
6-2-05	3991-3995'	4 JSPF	16 holes
6-2-05	3936-3942'	4 JSPF	24 holes

**NEWFIELD**

Ashley Federal 15-14-9-16  
610' FSL & 2096' FEL  
SW/SE Section 14-T9S-R16E  
Duchesne Co. Utah  
API #43-013-32689; Lease #UTU-096547

## Jonah Federal 16-14-9-16

Spud Date: 10-14-05  
 Put on Production: 11-14-05  
 GL: 5626' KB: 5638'

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (302.62')  
 DEPTH LANDED: 310.02' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 130 jts (5790.42')  
 DEPTH LANDED: 5803.67' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
 CEMENT TOP AT: 270'

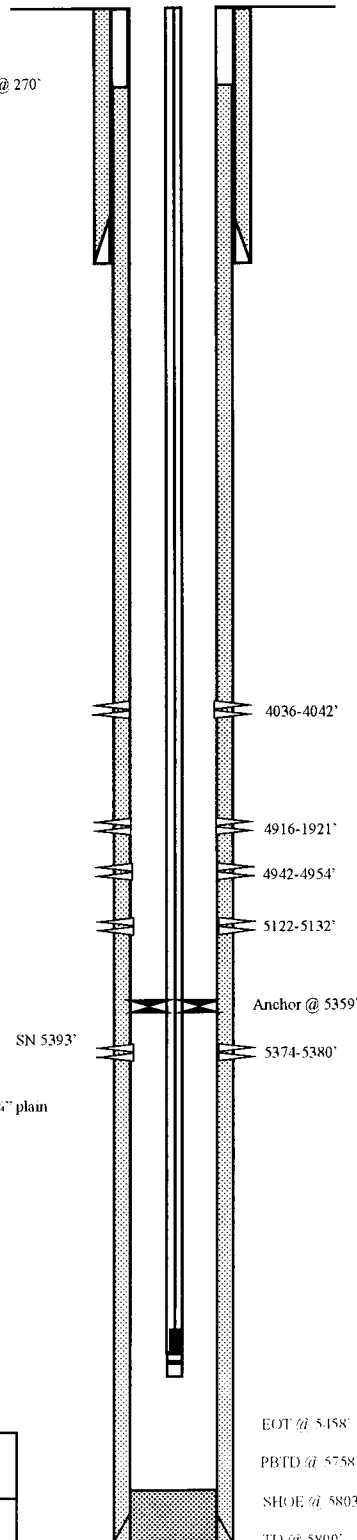
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 166 jts (5347.02')  
 TUBING ANCHOR: 5359.02' KB  
 NO. OF JOINTS: 1 jts (31.43')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 5393.25' KB  
 NO. OF JOINTS: 2 jts (62.75')  
 TOTAL STRING LENGTH: EOT @ 5457.55' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 1-2' X 3/4" pony rods, 100- 3/4" scraped rods, 99- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weight rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC w/SM plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED: 6 SPM

## Wellbore Diagram




Initial Production: BOPD.  
 MCFD, BWPD

FRAC JOB

11-08-05	5374-5380'	<b>Frac CP2 sands as follows:</b> 24617# 20/40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2689 psi w/avg rate of 24.8 BPM. ISIP 3370 psi. Calc flush: 5372 gal. Actual flush: 4956 gal.
11-08-05	5122-5132'	<b>Frac LODC sands as follows:</b> 34329# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 2632 psi w/avg rate of 24.8 BPM. ISIP 2720 psi. Calc flush: 5120 gal. Actual flush: 4830 gal.
11-09-05	4916-4954'	<b>Frac A1, &amp; A3 sands as follows:</b> 75312# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 1787 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 4914 gal. Actual flush: 3906 gal.
11-09-05	4036-4042'	<b>Frac GB6 sands as follows:</b> 25272# 20/40 sand in 301 bbls Lightning 17 frac fluid. Treated @ avg press of 2043 w/ avg rate of 24.7 BPM. ISIP 1830 psi. Calc flush: 4034 gal. Actual flush: 3948 gal.

PERFORATION RECORD

11-01-05	5374-5380'	4 JSPF	24 holes
11-08-05	5122-5132'	4 JSPF	40 holes
11-08-05	4942-4954'	4 JSPF	48 holes
11-08-05	4916-4921'	4 JSPF	20 holes
11-09-05	4036-4042'	4 JSPF	24 holes

<b>NEWFIELD</b> 
<b>Jonah Federal 16-14-9-16</b> 657' FSL & 758' FEL SE/SE Section 14-T9S-R16E Duchesne Co, Utah API #43-013-32698, Lease #U-096547

Attachment F  
page 1 of 6

Analytical Laboratory Report for:

NEWFIELD PRODUCTION COMPANY



Chemical Services

Account Representative:  
Arnold, Joe

## Production Water Analysis

Listed below please find water analysis report from: Johnson Water Line, JOHNSON STATION #2  
CHARGE PUMP

Lab Test No: 2006400226  
Specific Gravity: 1.001

Sample Date: 01/17/2006

TDS: 357  
pH: 7.80

Cations:	mg/L	as:
Calcium	80.00	(Ca <sup>++</sup> )
Magnesium	24.00	(Mg <sup>++</sup> )
Sodium	0	(Na <sup>+</sup> )
Iron	1.10	(Fe <sup>++</sup> )
Manganese	0.00	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	122	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	95	(SO <sub>4</sub> <sup>=</sup> )
Chloride	35	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	0	(H <sub>2</sub> S)

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NEWFIELD PRODUCTION  
COMPANY

Lab Test No: 2006400226

DownHole SAT™ Scale Prediction  
@ 60 deg. F

Chemical Services

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	1.01	.00108
Aragonite (CaCO <sub>3</sub> )	.876	-.0303
Witherite (BaCO <sub>3</sub> )	0	-4.93
Strontianite (SrCO <sub>3</sub> )	0	-1.54
Magnesite (MgCO <sub>3</sub> )	.202	-.693
Anhydrite (CaSO <sub>4</sub> )	.0236	-.314
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	.0481	-.228.43
Barite (BaSO <sub>4</sub> )	0	-.0267
Celestite (SrSO <sub>4</sub> )	0	-44.65
Silica (SiO <sub>2</sub> )	0	-32.86
Brucite (Mg(OH) <sub>2</sub> )	< 0.001	-1.05
Magnesium silicate	0	-62.42
Siderite (FeCO <sub>3</sub> )	13.52	.215
Halite (NaCl)	0	-136333
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	0	-33648
Iron sulfide (FeS)	0	-.0114

**Interpretation of DHSat Results:**

The **Saturation Index** is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The **Momentary excess** is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The **Momentary Excess** represents the amount of scale possible while the **Saturation Level** represents the probability that scale will form.

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Analytical Laboratory Report for:

NEWFIELD PRODUCTION COMPANY



Chemical Services

Account Representative:  
Arnold, Joe

## Production Water Analysis

Listed below please find water analysis report from: Run B, JONAH 11-14-9-16 TREATER

Lab Test No: 2006400445  
Specific Gravity: 1.011

Sample Date: 02/16/2006

TDS: 15829  
pH: 9.10

Cations:	mg/L	as:
Calcium	40.00	(Ca <sup>++</sup> )
Magnesium	24.00	(Mg <sup>++</sup> )
Sodium	5934	(Na <sup>+</sup> )
Iron	3.00	(Fe <sup>++</sup> )
Manganese	0.10	(Mn <sup>++</sup> )
Anions:	mg/L	as:
Bicarbonate	1098	(HCO <sub>3</sub> <sup>-</sup> )
Sulfate	230	(SO <sub>4</sub> <sup>=</sup> )
Chloride	8500	(Cl <sup>-</sup> )
Gases:		
Carbon Dioxide		(CO <sub>2</sub> )
Hydrogen Sulfide	2	(H <sub>2</sub> S)

page 4 of 6

NEWFIELD PRODUCTION  
COMPANY

Lab Test No: 2006400445

DownHole SAT™ Scale Prediction  
@ 130 deg. F

Chemical Services

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO <sub>3</sub> )	27.14	23.61
Aragonite (CaCO <sub>3</sub> )	22.57	23.26
Witherite (BaCO <sub>3</sub> )	0	-1.87
Strontianite (SrCO <sub>3</sub> )	0	-.461
Magnesite (MgCO <sub>3</sub> )	20.34	18.51
Anhydrite (CaSO <sub>4</sub> )	.00781	-589.41
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	.0068	-720.66
Barite (BaSO <sub>4</sub> )	0	-.276
Celestite (SrSO <sub>4</sub> )	0	-106.62
Silica (SiO <sub>2</sub> )	0	-80.51
Brucite (Mg(OH) <sub>2</sub> )	.269	-1.21
Magnesium silicate	0	-125.66
Siderite (FeCO <sub>3</sub> )	2005	.656
Halite (NaCl)	< 0.001	-188749
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	< 0.001	-54570
Iron sulfide (FeS)	363.76	.141

**Interpretation of DHSat Results:**

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e. a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

DownHole SAT(tm)  
MIXED WATER CHEMISTRY

Page 5 of 6

1) Johnson Water

2) Jonah 11-14-9-16

Report Date: 02-16-2006

## CATIONS

Calcium (as Ca)	150.00
Magnesium (as Mg)	99.00
Barium (as Ba)	0.00
Strontium (as Sr)	0.00
Sodium (as Na)	2967
Iron (as Fe)	2.05
Manganese (as Mn)	0.0500

## ANIONS

Chloride (as Cl)	479
Sulfate (as SO4)	16.50
Dissolved CO2 (as CO2)	28
Bicarbonate (as HCO3)	30.74
Carbonate (as CO3)	3.71
H2S (as H2S)	0.00

## PARAMETERS

pH	9.08
Temperature (°F)	130.00
Density(g/mL)	1.00
Pressure(atm)	1.00
Calculated T.D.S.	8645
Molar Conductivity	12052

BJ Chemical Services  
Roosevelt, Utah

Page 6 of 6

DownHole SAT(tm)  
MIXED WATER DEPOSITION POTENTIAL INDICATORS

1) Johnson Water

2) Jonah 11-14-9-16

Report Date: 02-16-2006

## SATURATION LEVEL

Calcite (CaCO3)	125.69
Aragonite (CaCO3)	104.50
Witherite (BaCO3)	0.00
Strontianite (SrCO3)	0.00
Magnesite (MgCO3)	100.21
Anhydrite (CaSO4)	0.0274
Gypsum (CaSO4*2H2O)	0.0240
Barite (BaSO4)	0.00
Magnesium silicate	0.00
Iron hydroxide (Fe(OH)3)	0.00731
Iron sulfide (FeS)	186.08

## FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO3)	11.5
Aragonite (CaCO3)	11.1
Witherite (BaCO3)	-3.4
Strontianite (SrCO3)	-0.75
Magnesite (MgCO3)	97.47
Anhydrite (CaSO4)	-12.61
Gypsum (CaSO4*2H2O)	-2.0
Barite (BaSO4)	-0.32
Magnesium silicate	-3.5
Iron hydroxide (Fe(OH)3)	<
Iron sulfide (FeS)	11.2

## SIMPLE INDICES

Langelier	2.72
Stiff Davis Index	2.84

## BOUND IONS

	TOTAL
Calcium	150.00
Barium	0.00
Carbonate	381.71
Phosphate	0.00
Sulfate	162.50

## OPERATING CONDITIONS

Temperature (°F)	130.00
Time (mins)	3.00

BJ Chemical Services  
Roosevelt, Utah

## Attachment "G"

### Jonah Federal #11-14-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient	Pmax	
Top	Bottom			(psi/ft)		
5557	5572	5565	1850	0.77	1838	←
4982	5007	4995	2330	0.90	2319	
4675	4754	4715	1920	0.84	1910	
				Minimum	<u>1838</u>	

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## DAILY COMPLETION REPORT

WELL NAME: Jonah 11-14-9-16Report Date: 6-21-05Day: 02aOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 314'Prod Csg: 5-1/2" @ 5834'Csg PBTD: 5748'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
CP3 sds	5557-5572'	4/60			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 20-Jun-05SITP: SICP: 74

Day2a.

RU BJ Services "Ram Head" frac flange. RU BJ & frac CP3 sds, stage #1 down casing w/ 55,674#'s of brown 20/40 sand in 483 bbls of Lightning 17 frac fluid. Open well w/ 74 psi on casing. Perfs broke down @ 2842 psi. back to 1350 psi. Treated @ ave pressure of 1748 w/ ave rate of 25.2 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 1850. 621 bbls EWTR. Leave pressure on well. See Day2b.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138Starting oil rec to date: Fluid lost/recovered today: 483Oil lost/recovered today: Ending fluid to be recovered: 621Cum oil recovered: IFL: FFL: FTP:Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracWeatherford BOP \$40Company: BJ ServicesWeatherford Services \$700Procedure or Equipment detail: CP3 sds down casingBetts frac water \$795

4410 gals of pad

NPC fuel gas \$105

2944 gals w/ 1-5 ppg of 20/40 sand

BJ Services CP3 sds \$21,310

5872 gals w/ 5-8 ppg of 20/40 sand

NPC Supervisor \$100

1516 gals w/ 8 ppg of 20/40 sand

Flush w/ 5544 gals of slick water

\*\*Flush called @ blender to include 2 bbls pump/line volume\*\*

Max TP: 1911 Max Rate: 25.5 Total fluid pmpd: 483 bblsAvg TP: 1748 Avg Rate: 25.2 Total Prop pmpd: 55,674#'sISIP: 1850 5 min: 10 min: FG: .77Completion Supervisor: Ron ShuckDAILY COST: \$23,050TOTAL WELL COST: \$294,494



## DAILY COMPLETION REPORT

WELL NAME: Jonah 11-14-9-16Report Date: 6-21-05Day: 02bOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 314'Prod Csg: 5-1/2" @ 5834'Csg PBTD: 5748'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 5110'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>A3 sds</u>	<u>4982-5007'</u>	<u>4/100</u>			
<u>CP3 sds</u>	<u>5557-5572'</u>	<u>4/60</u>			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 20-Jun-05SITP: SICP: 1540

Day2b.

RU Black Warrior WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug & 5' perf gun. Set plug @ 5110'. Perforate A3 sds @ 4982-5007' w/ 4" Port Guns (19 gram, .41"HE, 120°) w/ 4 spf for total of 100 shots. RU BJ & frac stage #2 w/ 95,489#'s of brown 20/40 sand in 692 bbls of Lightning 17 frac fluid. Open well w/ 1540 psi on casing. Perfs broke down @ 2696 psi, back to 1290 psi. Treated @ ave pressure of 2096 w/ ave rate of 24.9 bpm w/ 8 ppg of sand. Spot 5 bbls of 15% HCL in flush for next stage. ISIP was 2330. 1313 bbls EWTR. Leave pressure on well. See Day2c.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 621Starting oil rec to date: Fluid lost/recovered today: 692Oil lost/recovered today: Ending fluid to be recovered: 1313Cum oil recovered: IFL: FFL: FTP:Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: A3 sds down casing7182 gals of pad4944 gals w/ 1-5 ppg of 20/40 sand9872 gals w/ 5-8 ppg of 20/40 sand2068 gals w/ 8 ppg of 20/40 sandFlush w/ 4998 gals of slick water

## COSTS

Weatherford BOP \$50Weatherford Services \$2,200Betts frac water \$1,375NPC fuel gas \$180BJ Services A3 sds \$20,322NPC Supervisor \$100BWWC A3 sds \$4,980**\*\*Flush called @ blender to include 2 bbls pump/line volume\*\***Max TP: 2173 Max Rate: 24.9 Total fluid pmpd: 692 bblsAvg TP: 2096 Avg Rate: 24.9 Total Prop pmpd: 95,489#'sISIP: 2330 5 min: 10 min: FG: .90Completion Supervisor: Ron ShuckDAILY COST: \$29,207TOTAL WELL COST: \$323,701



## DAILY COMPLETION REPORT

WELL NAME: Jonah 11-14-9-16Report Date: 6-21-05Day: 02cOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 314'Prod Csg: 5-1/2" @ 5834'Csg PBTD: 5748'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 4850'Plug 5110'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4675-4685'	4/40			
B1 sds	4749-4754'	4/20			
A3 sds	4982-5007'	4/100			
CP3 sds	5557-5572'	4/60			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 20-Jun-05SITP: SICP: 1650

Day 2a.

RU WLT. RIH w/ frac plug & 5', 10' perf gun. Set plug @ 4850'. Perforate B1 sds @ 4749-4754' & C sds @ 4675-4685' w/ 4 spf for total of 60 shots. RU BJ & frac stage #3 w/ 62,157#'s of brown 20/40 sand in 479 bbls of Lightning 17 frac fluid. Open well w/ 1650 psi on casing. Perfs broke down @ 3770 psi, back to 1770 psi. Treated @ ave pressure of 1838 w/ ave rate of 25 bpm w/ 8 ppg of sand. ISIP was 1920. 1792 bbls EWTR. RD BJ & WLT. Begin immediate flow back on well @ 1840 psi w/ 12/64 choke. Well flowed for 5 hours & died w/ 320 bbl rec'd (19% of frac). SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1792Starting oil rec to date: Fluid lost/recovered today: 320Oil lost/recovered today: Ending fluid to be recovered: 1472Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: B1 & C sds down casing4620 gals of pad3000 gals w/ 1-5 ppg of 20/40 sand6000 gals w/ 5-8 ppg of 20/40 sand1920 gals w/ 8 ppg of 20/40 sandFlush w/ 4578 gals of slick water

## COSTS

Weatherford BOP \$40Weatherford Services \$2,200Betts frac water \$890NPC fuel gas \$115BJ Services B1&C sd \$13,990NPC Supervisor \$100BWWC B1 & C sds \$4,980Betts water transfer \$400Max TP: 1870 Max Rate: 25.3 Total fluid pmpd: 479 bblsAvg TP: 1838 Avg Rate: 25 Total Prop pmpd: 62,157#'sISIP: 1920 5 min: 10 min: FG: .84Completion Supervisor: Ron ShuckDAILY COST: \$22,715TOTAL WELL COST: \$346,416

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 4580'.
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class G cement.
3. Plug #2 Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4. Plug #3 Pump 42 sx Class G cement down 5-1/2" casing to 364'.

The approximate cost to plug and abandon this well is \$33,025.

## Jonah Federal 11-14-9-16

Spud Date: 5/25/05  
 Put on Production: 6/24/05  
 GL: 5621' KB: 5633'

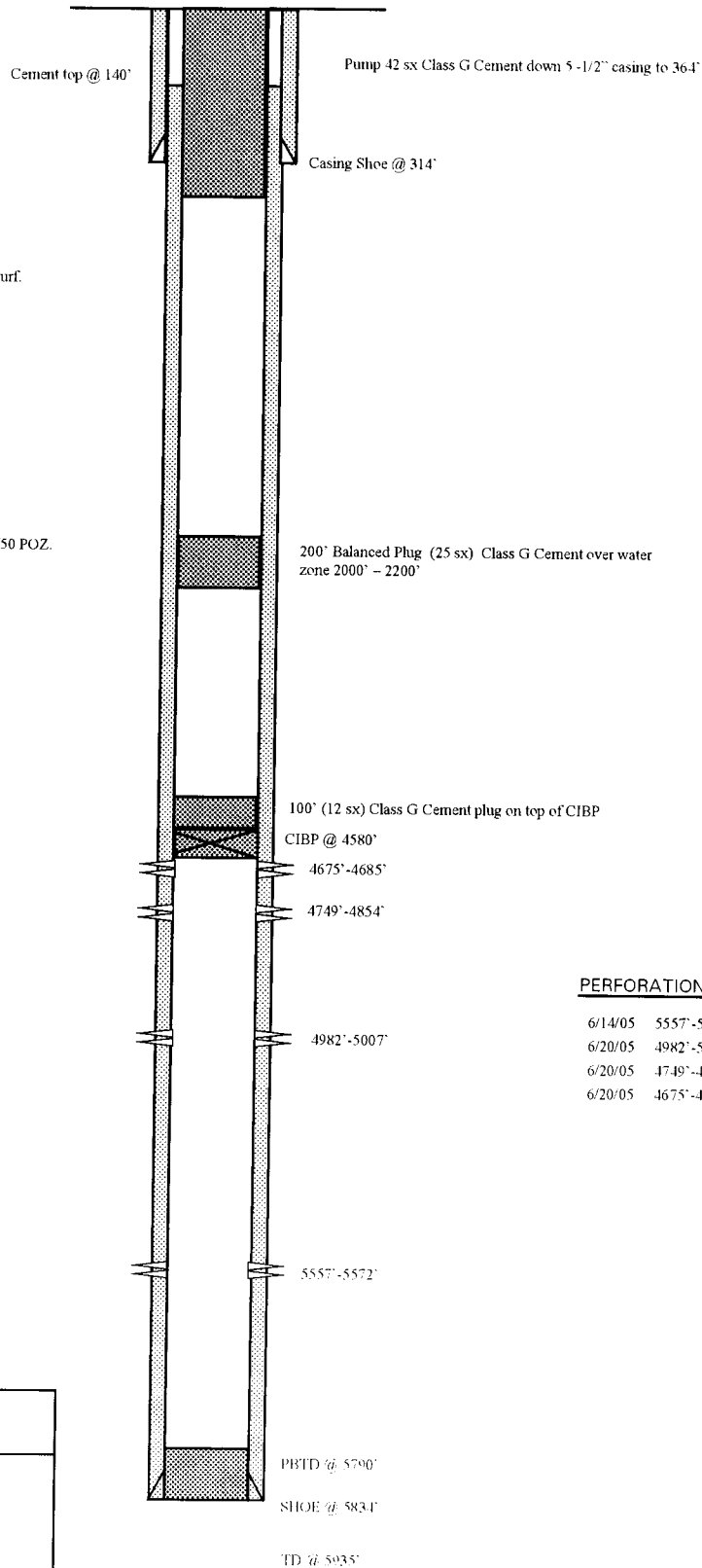
Initial Production: 115 BOPD,  
 15 MCFD, 114 BWPD

Proposed P & A  
Wellbore DiagramSURFACE CASING


CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (304.17')  
 DEPTH LANDED: 314.17' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jts. (5835.87')  
 DEPTH LANDED: 5833.87' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 140'

PERFORATION RECORD

6/14/05	5557'-5572'	4 JSPF	60 holes
6/20/05	4982'-5007'	4 JSPF	100 holes
6/20/05	4749'-4754'	4 JSPF	20 holes
6/20/05	4675'-4685'	4 JSPF	40 holes

<b>NEWFIELD</b> 
<b>Jonah Federal 11-14-9-16</b> 2030' FSL & 2160' FWL NE/4SW Section 14-T9S-R16E Duchesne Co, Utah API #43-013,32681, Lease #UTL096547

**NOTICE OF AGENCY  
ACTION  
CAUSE NO. UIC 331**

BEFORE THE DIVISION OF OIL,  
GAS AND MINING, DEPARTMENT  
OF NATURAL RESOURCES, STATE  
OF UTAH

IN THE MATTER OF THE APPLI-  
CATION OF Newfield Production Com-  
pany FOR ADMINISTRATIVE AP-  
PROVAL OF THE South Wells Draw 13-  
3-9-16, South Wells Draw 11-3-9-16, Jonah  
Federal 15-12-9-16, Jonah Federal 9-14-  
9-16, Jonah Federal 11-14-9-16, Jonah  
Federal 13-14-9-16, Jonah Federal 15-14-  
9-16, Jonah Federal 9-15-9-16, Jonah 5-  
14-9-16, Jonah 7-14-9-16 WELLS LO-  
CATED IN SECTIONS 3, 12, 14, & 15,  
TOWNSHIP 9 South, RANGE 16 East,  
Duchesne COUNTY, UTAH, AS A  
CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL  
PERSONS INTERESTED IN THE  
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division  
of Oil, Gas and Mining (the "Division") is  
commencing an informal adjudicative pro-  
ceeding to consider the application of  
Newfield Production Company for ad-  
ministrative approval of the South Wells  
Draw 13-3-9-16, South Wells Draw 11-3-  
9-16, Jonah Federal 15-12-9-16, Jonah  
Federal 9-14-9-16, Jonah Federal 11-14-  
9-16, Jonah Federal 13-14-9-16, Jonah  
Federal 15-14-9-16, Jonah Federal 9-15-  
9-16, Jonah 5-14-9-16, Jonah 7-14-9-16  
wells, located in Sections 3, 12, 14, 15,  
Township 9 South, Range 16 East,  
Duchesne County, Utah, for conversion  
to a Class II injection well. The adjudica-  
tive proceeding will be conducted infor-  
mally according to Utah Admin. Rule R649-  
10, Administrative Procedures.

Selective zones in the Green River For-  
mation will be used for water injection.  
The maximum requested injection pres-  
sure and rate will be determined based on  
fracture gradient information submitted  
by Newfield Production Company.

Any person desiring to object to the  
proposed application or otherwise inter-  
vene in the proceeding, must file a written  
protest or notice of intervention with the  
Division within fifteen days following  
publication of this notice. The Division's  
Presiding Officer for this proceeding is Gil  
Hunt, Associate Director at PO Box  
145801, Salt Lake City, Utah 84114-5801,  
phone number (801) 538-5340. If such a  
protest or notice of intervention is re-  
ceived, a hearing will be scheduled in ac-  
cordance with the aforementioned adminis-  
trative procedure rule. Protestants and/or  
interveners should be prepared to demon-  
strate at the hearing how this matter affects  
their interests.

Dated this 11th day of May, 2006.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Gil Hunt

Associate Director

Published in the Uintah Basin Standard  
May 16, 2006.



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 19, 2006

Newfield Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Jonah Unit Well: Jonah Federal 11-14-9-16, Section 14, Township 9  
South, Range 16 East, SLBM, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Newfield Production Company, Myton

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:      OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-096547
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2030 FSL 2160 FWL		8. WELL NAME and NUMBER: JONAH FEDERAL 11-14-9-16
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN:    NESW, 14, T9S, R16E		9. API NUMBER: 4301332681
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/07/2006			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was converted from a producing oil well to an injection well on 11/7/06. On 10/31/06 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test 11/10/06. On 11/10/06 the casing was pressured up to 1165 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 320 psig during the test. There was not a State representative available to witness the test.

API# 43-013-32681

NAME (PLEASE PRINT) <u>Callie Ross</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u><i>Callie Ross</i></u>	DATE <u>11/13/2006</u>

(This space for State use only)

**RECEIVED**

**NOV 16 2006**

DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/10/00 Time 2:30 am ☒ pm  
Test Conducted by: Chris Wilkerson  
Others Present: \_\_\_\_\_

Well: Jonah Federal 11-14-9-16

Field: Mon Butte / Jonah Unit

Well Location: NE/SW Sec 14, T9S, R10E  
Duchesne County UTAH

API No: 43-013-32681

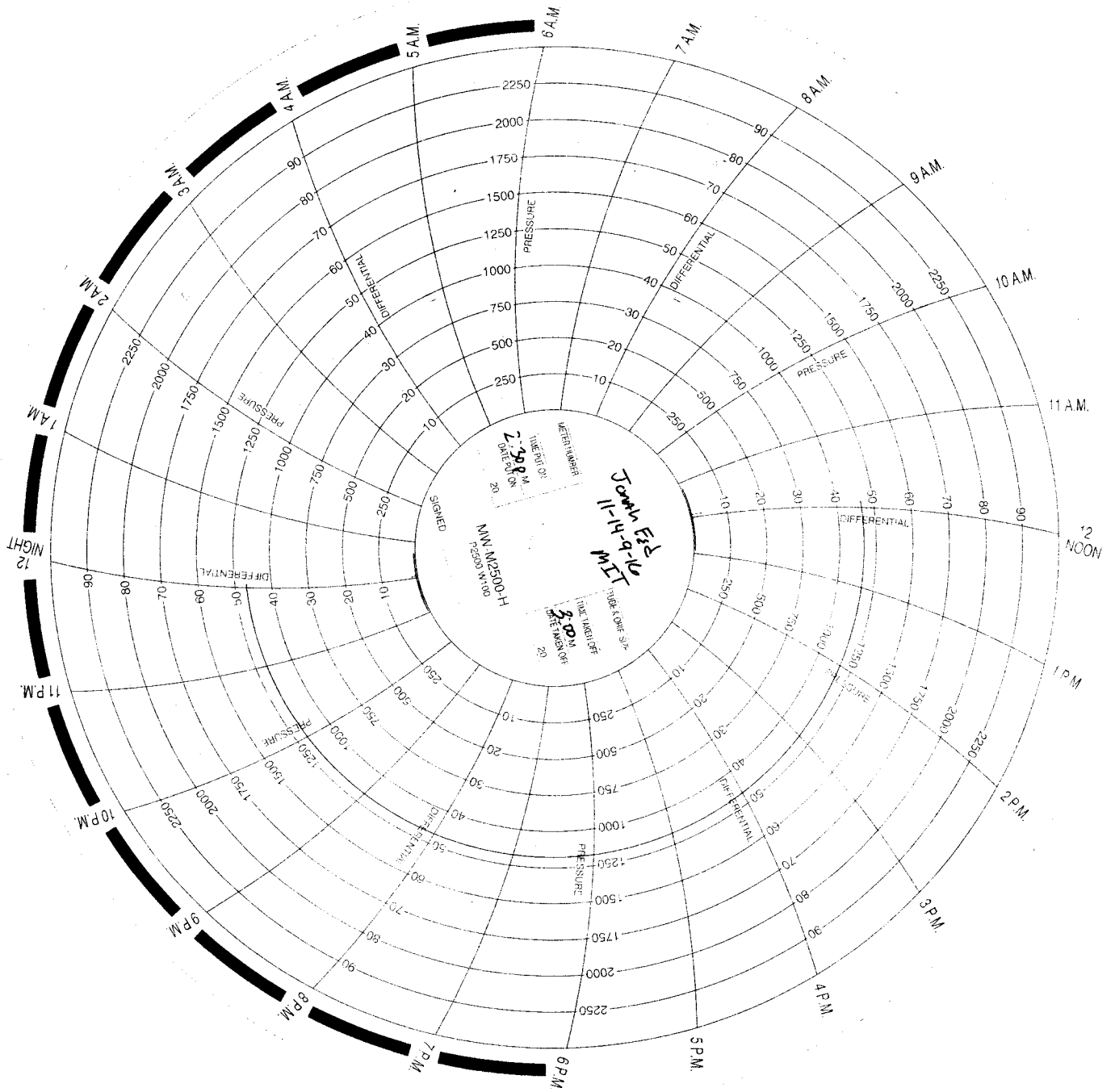
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1165</u>	psig
5	<u>1165</u>	psig
10	<u>1165</u>	psig
15	<u>1165</u>	psig
20	<u>1165</u>	psig
25	<u>1165</u>	psig
30 min	<u>1165</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 320 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Chris Wilkerson





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

**UNDERGROUND INJECTION CONTROL PERMIT**

**Cause No. UIC-331**

**Operator:** Newfield Production Company  
**Well:** Jonah 11-14-9-16  
**Location:** Section 14, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32681  
**Well Type:** Enhanced Recovery (waterflood)

**Stipulations of Permit Approval**

1. Approval for conversion to Injection Well issued on September 19, 2006.
2. Maximum Allowable Injection Pressure: 1,838 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation  
(3,812' - 5,781')

Approved by:

Gil Hunt  
Associate Director

11-20-06  
Date

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
Newfield Production Company, Myton

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

USA UTU-096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

JONAH UNIT

8. Well Name and No.

JONAH FEDERAL 11-14-9-16

9. API Well No.

4301332681

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2030 FSL 2160 FWL

NESW Section 14 T9S R16E

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

**TYPE OF SUBMISSION**

**TYPE OF ACTION**

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☒ Convert to

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug & Abandon

☐ Plug Back

☐ Production(Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Change Status, Put Well  
on Injection

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The above referenced well was put on injection at 4:30 p.m. on 12/30/06.

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature 

Title

Regulatory Specialist

Date

01/02/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

JAN 08 2007

DEPT OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH FED 11-14-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2030 FSL 2160 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 14 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013326810000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

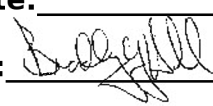
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">5 YR MIT</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/10/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

On 10/05/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 10/10/2011 the casing was pressured up to 1025 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1406 psig during the test. There was not a State representative available to witness the test.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**

**Date:** 10/18/2011

**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/14/2011	

# Mechanical Integrity Test

## Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 10/10/2011 Time 11:30 am pm

Test Conducted by: Bowdy Cloward

Others Present: Bobby Logan

Well: Jonah Federal 11-14-9-16

Field: Newfield Monument Bt He

Well Location: Jonah Federal 11-14-9-16

API No: 43-013-32681

NE/SW sec 14, T9S, R16E  
Duchesne County, UT

Time

Casing Pressure

0 min	<u>1025</u>	psig
5	<u>1025</u>	psig
10	<u>1025</u>	psig
15	<u>1025</u>	psig
20	<u>1025</u>	psig
25	<u>1025</u>	psig
30 min	<u>1025</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1406

psig

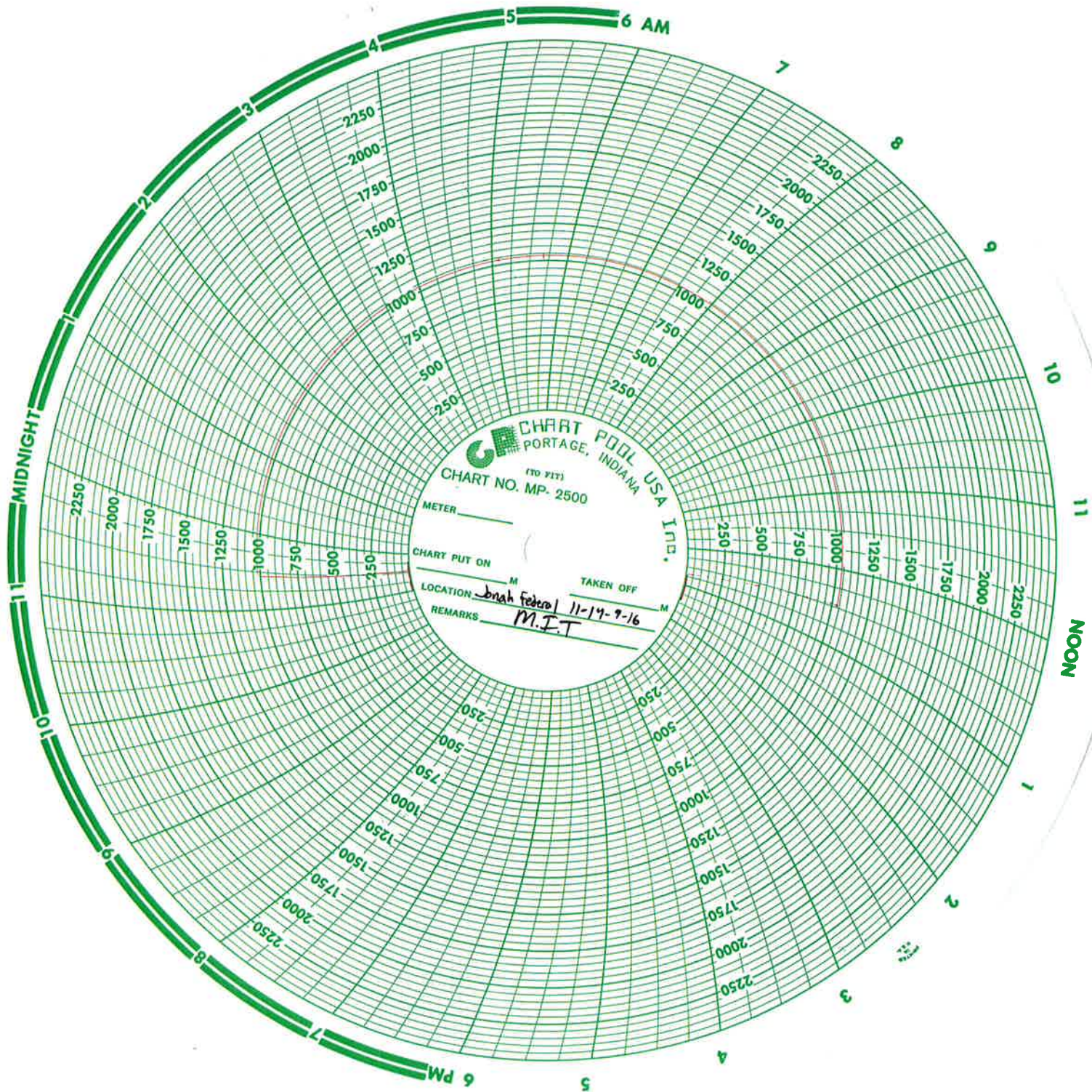
Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: [Signature]



# Jonah Federal 11-14-9-16

Spud Date: 5/25/05  
Put on Production: 6/24/05  
GL: 5621' KB: 5633'

Initial Production: 115 BOPD,  
15 MCFD, 114 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (304.17')  
DEPTH LANDED: 314.17' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 138 jts. (5835.87')  
DEPTH LANDED: 5833.87' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 140'

### TUBING

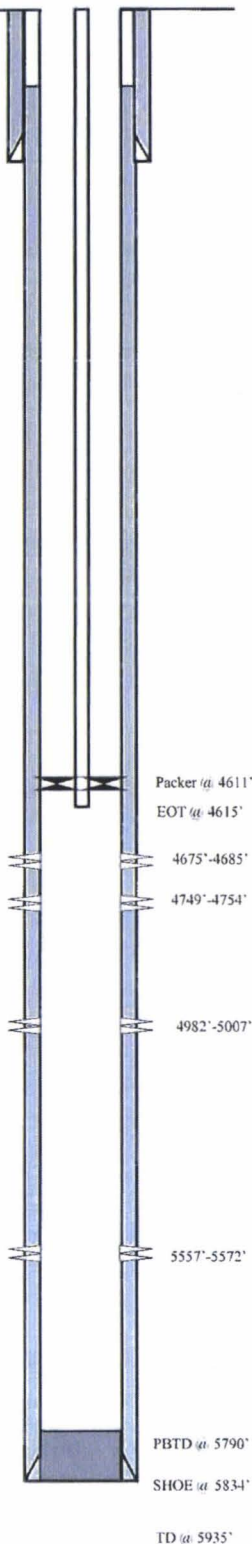
SIZE/GRADE/WT.: 2-7/8" J-55 / 6.5#  
NO. OF JOINTS: 147 jts (4594.85')  
SN LANDED AT: 1.10' (4606.85')  
CE @ 4611.05'  
TOTAL STRING LENGTH: EOT @ 4615.45' KB

### FRAC JOB

6/20/05	5557'-5572'	<b>Frac CP3 sands as follows:</b> 55,674# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 1748 psi w/avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 5555 gal. Actual flush: 5544 gal.
6/20/05	4982'-5007'	<b>Frac A3 sands as follows:</b> 95,489# 20/40 sand in 692 bbls Lightning 17 frac fluid. Treated @ avg press of 2096 psi w/avg rate of 24.9 BPM. ISIP 2330 psi. Calc flush: 4980 gal. Actual flush: 4998 gal.
6/20/05	4675'-4754'	<b>Frac C&amp;BI sands as follows:</b> 62,157# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1650 psi w/avg rate of 25 BPM. ISIP 1920 psi. Calc flush: 4673 gal. Actual flush: 4578 gal.
09/12/06		<b>Pump Change.</b> Update rod and tubing details.
11/7/06		<b>Convert to Injection Well</b>
11/10/06		<b>MIT Completed - thg detail updated</b>

### PERFORATION RECORD

6/14/05	5557'-5572'	4 JSPF	60 holes
6/20/05	4982'-5007'	4 JSPF	100 holes
6/20/05	4749'-4754'	4 JSPF	20 holes
6/20/05	4675'-4685'	4 JSPF	40 holes



**NEWFIELD**


**Jonah Federal 11-14-9-16**

2030' FSL & 2160' FWL

NE/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32681; Lease #UTU-096547

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-096547
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> JONAH FED 11-14-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2030 FSL 2160 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 14 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013326810000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/1/2016 <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> APD EXTENSION OTHER: 5 YR MIT	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 08/29/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 09/01/2016 the casing was pressured up to 1251 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1458 psig during the test. There was not a State representative available to witness the test.		
<b>Approved by the</b> <b>September 13, 2016</b> <b>Oil, Gas and Mining</b>  <b>Date:</b> _____ <b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 9/8/2016

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 9/1/16 Time 9:02 am pm

Test Conducted by: JOHNNY SLIM

Others Present: \_\_\_\_\_

Well: JONAH FEDERAL 11-14-9-16

Field: GREATER MONUMENT BUTT UNIT

Well Location: NE/SW 14 T9S R16E

API No: 4301332681

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1251</u>	psig
5	<u>1251</u>	psig
10	<u>1251</u>	psig
15	<u>1251</u>	psig
20	_____	psig
25	_____	psig
30 min	_____	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1458 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Johnny Slim

